

OMEGA CHEMICAL SITE PRP ORGANIZED GROUP

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September 7, 2011

Ms. Lynda Deschambault
Remedial Project Manager
U.S. Environmental Project Manager Agency-Region IX
75 Hawthorne Street (SFD-7-1)
San Francisco, CA 94105

Re: July 2011 Indoor Air Quality Data Submittal,
Omega Chemical Superfund Site, Whittier, California

Dear Ms. Deschambault:

Enclosed is the July 2011 Indoor Air Quality Data Submittal for the Omega Chemical Superfund site. This data submittal is being transmitted in accordance Task 1 of Administrative Settlement Agreement and Order on Consent/Statement of Work (AOC/SOW), which became effective on November 9, 2009.

Should you have any questions, regarding the above, please contact me.

Sincerely,
Omega Chemical Site PRP Organized Group



Edward Modiano
Project Coordinator

cc: Matt Salazar, USEPA
Tom Perina, CH2MHIL
Dave Chamberlin, CDM
Sharon Wallin, CDM
Stephanie Lewis, DTSC



111 Academy, Suite 150
Irvine, California 92617
tel: 949 752-5452

September 6, 2011

Mr. Ed Modiano
de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92107

Subject: Short Term Mitigation Air Sampling Report for July 2011
Omega Chemical Superfund Site
CDM Project No: 10500-76051.OSS.IAQ
CDM File No: 10500-5.2.3

Dear Mr. Modiano:

On behalf of the Omega Chemical Site PRP Organized Group (OPOG), Camp Dresser & McKee Inc. (CDM) is submitting this Short Term Mitigation Air Sampling (STMAS) Report for the July 2011 sampling event. This report includes the analytical results for the monthly indoor air quality (IAQ) sampling, describes short-term mitigation measures in place, any changes or alterations, dates of operation, and recommended changes. Also, this report includes building conditions, laboratory reports, sample location maps, and tabulated analytical results. This report was prepared in accordance with the Administrative Settlement Agreement and Order on Consent (AOC) for the Removal Action, which was effective November 9, 2009.

Sampling Date, Locations Sampled, Number of Samples

July 27, 2011 monthly indoor air quality sampling. All samples were sent to Air Toxics Ltd. for analysis. Two additional samples were collected as split samples for confirmatory analysis at a second laboratory (Air Technology Laboratories [AirTech]).

- Terra Pave (4 samples, including one split sample to Air Tech)
 - TP1 = First Floor Reception Area - 2 samples (including split sample)
 - TP2 = Second Floor Office - 1 sample
 - TP3 = Maintenance Shop - 1 sample
- Bishop Co. (4 samples, including one duplicate to Air Toxics)
 - B1 = First Floor Reception/Office Area -2 samples (including duplicate)



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- B2 = Interior Store - 1 sample
- B3 = Warehouse - 1 sample
- Regional Occupational Program (ROP) (6 samples, including one split sample to Air Tech)
 - ROP1 - Office (Room 207) - 2 samples (including split sample)
 - ROP2 - Classroom (Room 104) - 1 sample
 - ROP3 - Office (Room 108) - 1 sample
 - ROP4 - Dental Annex - Lobby/Computer Area - 1 sample
 - ROP5 - Dental Annex - Classroom - 1 sample
- Fred R. Rippy (FRR) (3 samples)
 - FRR1 - First floor office - 1 sample
 - FRR2 - Production Area - 1 sample
 - FRR3 - Warehouse - 1 sample
- Women's and Children's Crisis Shelter (WCCS) (6 samples, including one duplicate to Air Toxics)
 - WCCS2 - First floor outside elevator - 1 sample
 - WCCS3 - First floor office, right side of building - 1 sample
 - WCCS4 - First floor, "Great Room" - 1 sample
 - WCCS6 - Second floor - Office 16- 1 sample
 - WCCS7 - Second floor - Office 17 - 2 samples (including duplicate)
- Ambient Air
 - AA1 = Exterior fence between Terra Pave and Madsen - 1 sample
 - AA8 = Exterior fence between parking lots near Dental Annex - 1 sample



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- AA9 = Rooftop of ROP building in the southwest corner of building (approximately 25 feet from the SSD exhaust stack) - 1 sample

Additional samples not associated with the EPA-required monthly sampling were also collected from WCCS (2 samples), ROP (9 samples), and ambient air (1 sample) on July 30th.

Please refer to attached Figures 1 through 4 which identify and illustrate the indoor air sampling locations at Terra Pave and Bishop, and Figures 5 through 7 which identify and illustrate the indoor air sampling locations at ROP and WCCS. Figure 8 identifies and illustrates the indoor air sampling locations at FRR. Figures are presented in Attachment A.

Building Conditions

Terra Pave

- The Terra Pave maintenance shop is no longer occupied. The shop area has been mostly emptied and only minimal equipment remains.
- The first floor office has been furbished as a receptionist/lobby area. The front door and windows were closed. The door to the break room was open throughout the day. The office was unoccupied during sample placement and retrieval.
- The second floor office space was not in use. All doors to the office were open during sampling.
- The rollup door and the side door were closed during canister placement and retrieval in the maintenance shop.
- The ventilation system in the office building does not operate 24 hours a day/seven days a week. The HVAC system in the first floor office area was operating during the July 27, 2011 sampling event, however the HVAC system was not operating on the second floor.

Bishop

- The windows and doors were closed in the office building. The door from the office building to the warehouse was closed.
- The front office/reception area was occupied during sample placement.
- The front and rear rollup doors were open in the warehouse.
- The ventilation system fans were operating during the time of sampling. The ventilation system fans operate 24 hours a day, seven days a week.



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ROP

- The door to Room 207 was open and the office was occupied during canister placement and retrieval.
- The door to Room 104 was closed during canister placement and the room was not occupied during canister placement or retrieval.
- The door to Room 108 was closed during canister placement and the office was unoccupied. The door to Room 108 was open during canister retrieval and the room was occupied.
- The buildings windows are sealed and cannot be opened.
- The doors to the offices in computer room/lobby area were open during sampling placement and retrieval. The room was not in use during sample placement and retrieval.
- The door to the training area classroom at the Dental Annex was closed during canister placement and retrieval. The room was unoccupied during canister placement and retrieval.
- The ventilation system fans were operating during the time of sampling at the ROP and the Dental Annex. The ventilation system fans operate 24 hours a day, seven days a week.
- During the July 30th sampling, the building was vacant, the doors and windows were closed, and the HVAC and SSD systems were shut down during the sampling and for approximately two days prior to sampling.

WCCS

- Most of the building is no longer occupied, although two of the 2nd floor offices are still used and occupied by two staff.
- The ventilation system fan was operating during the time of sampling. The ventilation system fan operates 24 hours a day, seven days a week.
- The first floor office (right side of the building) was not in use throughout the day and the door was open during canister placement and canister retrieval.
- One set of doors from the hallway to the first floor “Great Room” was open during sampling and the other set of door was closed. The doors to the outside were closed during the day and are typically not opened. This room is rarely used according to office staff.



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- The office on the second floor (office number 16), is occupied by WCCS personal on a daily basis. The office was unoccupied at the time of sample placement. The door to the office was closed during sample placement and open during sample retrieval. The outside windows were closed during sample placement, but were open during the day and during sample retrieval.
- The office on the second floor (office number 17), is occupied by WCCS personal on a daily basis. The office was occupied at the time of sample placement and unoccupied during sample retrieval. The door to the office was open during sample placement and closed during sample retrieval. The outside windows were open during sample placement and during the day and were closed during sample retrieval.
- The elevator was not used during canister placement and retrieval, and is rarely used according to office staff.
- During the July 30th sampling, the building was vacant, the doors and windows were closed, and the HVAC and SSD systems were shut down during the sampling and for approximately two days prior to sampling.

FRR

- The HVAC system operates all day in the front office.
- The doors and windows to the production area and outside were closed throughout the day in the front office.
- The doors to the warehouse from the production area were open during sampling. Doors to the outside and overhead windows were open during the day. Production work was ongoing throughout the day. Doors were closed during sample retrieval. According to facility personnel, stand up floor fans were reportedly in use during the day. Compressed oxygen and nitrogen tanks are located in this area.
- The doors to the outside were open throughout the day in the warehouse. The rollup door to the production area was also open throughout the day. The doors were closed during sample retrieval. A propane (20 lbs. tank) powered, two - burner floor heater was not in operation during sampling. A forklift, powered by propane was in use in the area throughout the day. According to facility personnel, a floor fan was in operation during the day.



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Short Term Mitigation Measures in Place

- Indoor and ambient air sampling continues on a monthly basis at the Terra Pave, Bishop, WCCS and ROP buildings. As requested by EPA, monthly sampling is also being performed at the FRR property.
- As requested, the purifiers at Bishop were shut off by the property owner on October 21, 2010. As discussed in recent STMAS reports, based on operation of the interim soil vapor extraction (ISVE) system and review of indoor air analytical results, operation of the air purifiers is no longer necessary.
- As requested, the Terra Pave air purifiers were shut off by the property owner in May 2010. As noted above, based on operation of the ISVE system and review of indoor air analytical results, operation of the air purifiers is no longer necessary.

Indoor Air Analytical Results

As briefly described above, monthly IAQ samples were collected from Terra Pave, Bishop, WCCS, ROP, and FRR on July 27, 2011. Table 1 in Attachment B presents the analytical results. The following provides a brief summary of these sampling results. Results are compared to EPA's Health Protective Screening Criteria (Tables 2 through 6). Table 7 provides a summary of the results for the additional samples collected at ROP and WCCS on July 30th.

Bishop

The PCE concentrations in the administration office (0.34 micrograms per cubic meter, [ug/m³] [field duplicate result was 0.29 ug/m³]), warehouse (0.27 ug/m³), and the interior store (0.58 ug/m³) in July remained below the long-term health protective screening criteria of 2.1 ug/m³. Based on these data, it appears that the operation of the ISVE system has been effective at improving indoor air conditions. PCE was detected in the ambient air sample collected between Terra Pave and Madsen Roofing at a concentration of 0.40 ug/m³ during the July sampling event.

Terra Pave

PCE concentrations in the first floor reception/lobby area (0.78 ug/m³ [split sample result was 0.81 ug/m³]), the second floor office (0.86 ug/m³) and the maintenance shop (0.57 ug/m³) were below the long-term health protective screening criteria of 2.1 ug/m³ in July. Based on these data, it appears that the operation of the ISVE system has been effective at improving indoor air conditions. PCE was detected in the ambient air sample collected between Terra Pave and Madsen Roofing at a concentration of 0.40 ug/m³ during the July sampling event.



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ROP

The PCE concentrations in Room 207 (0.56 ug/m³ [split sample result was 0.64 ug/m³]), Room 108 (0.46 ug/m³), Room 104 (0.56 ug/m³), Dental Annex Classroom (1.4 ug/m³), and the Dental Annex Lobby/Computer Area (0.83 ug/m³) were below the long-term health protective screening criteria of 2.1 ug/m³ during the July sampling event. PCE was detected at a concentration of 0.34 ug/m³ in the ambient air sample collected from the parking lot near the Dental Annex during the July sampling event. An additional ambient air sample was collected from the southwest corner of the ROP building rooftop. PCE was not detected above the reporting limit of 0.23 ug/m³ in the ambient air sample collected from the ROP building rooftop.

WCCS

PCE concentrations in the first floor "Great Room" (6.0 ug/m³), the first floor office/right side of building (16 ug/m³), outside elevator on first floor (6.9 ug/m³), Office 16 on the second floor (6.8 ug/m³), and Office 17 on the second floor (5.8 ug/m³ [field duplicate result was 5.9 ug/m³]) were above the long-term health protective screening criteria of 2.1 ug/m³ during the July 2011 sampling event. PCE was detected at a concentration of 0.34 ug/m³ in the ambient air sample collected from the parking lot near the Dental Annex during the July sampling event.

FRR

PCE concentrations in the front office (19 ug/m³), the production area (6.7 ug/m³), and the warehouse (6.2 ug/m³) were above the long-term health protective screening criteria of 2.1 ug/m³. PCE was detected at a concentration of 0.34 ug/m³ in the ambient air sample collected from the parking lot near the Dental Annex during the July sampling event.

Graphs illustrating PCE and TCE concentrations over time at the Bishop, Terra Pave, ROP, WCCS, and FRR properties are provided in Attachment C.

Data Validation

Formal data validation was performed on the analytical results for the 24 samples analyzed by Air Toxics using the two Level 4 data packages provided by the laboratory. Laboratory reports are presented in Attachment D with the validation report. Following validation, the project's analytical Access database was updated (including any data validation flags, if needed) and the attached summary table (Attachment B, Table 1) was generated. The field duplicate of sample IAQ-B1-02711 (front office/reception area) had a 15.87 percent variation from the original sample for PCE (0.34 ug/m³ in the original sample and 0.29 ug/m³ in the field duplicate). The field duplicate of sample IAQ-WCC7-072711 (Office 17 on second floor) had a 1.71 percent variation from the original sample for PCE (5.8 ug/m³ in the original sample and 5.9 ug/m³ in the field duplicate).

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Two samples were submitted to a second laboratory (AirTech) as split samples. Results for the split sample for location IAQ-TP1-072711 (first floor reception/lobby area) had a 3.77 percent variation from the original sample for PCE (0.78 ug/m³ in the original sample and 0.81 ug/m³ in the split sample). Results for the split sample for location IAQ-ROP1-072711 (Room 207) had a 13.33 percent variation from the original sample for PCE (0.56 ug/m³ in the original sample and 0.64 ug/m³ in the split sample). The results for the split samples and field duplicate samples varied for several of the other detected compounds and are further discussed in the validation report in Attachment D.

Changes or Alterations

None.

Recommended Changes/Actions

- No changes are recommended at this time for the ISVE system at Bishop and Terra Pave.
- Although continued sampling of the FRR building is not required under the current AOC, OPOG has agreed to do so. OPOG will also initiate evaluation of additional mitigation measures at, and in the vicinity of, this building as continued sampling data are collected in the near term, as necessary and appropriate. Tenants at FRR have been requested to run the HVAC system 24/7, and to keep the windows open to the extent practicable.
- The August indoor air sampling event is scheduled for August 31, 2011.

Other Short Term Mitigation Measures Activities

None.

If you have any questions regarding this report, please feel free to call me at (949) 930-9866.

Sincerely,



Sharon Wallin, P.G.
Project Manager
Camp Dresser & McKee Inc.

Attachments

Attachment A:

Figures: Sample and/or Purifier Location Maps for Terra Pave, Bishop, ROP and WCCS (Figures 1 and 2 Terra Pave, Figures 3 and 4 Bishop, Figure 5 ROP, Figures 6 and 7 WCCS, Figure 8 FRR).



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Attachment B: Tables

Table 1 - Analytical Summary Table (July 27, 2011 Samples)
Tables 2 through 6 - Comparison to Health Protective Screening Criteria (July 27, 2011 Samples)
Table 7 – Analytical Summary Table (July 30, 2011 Samples)

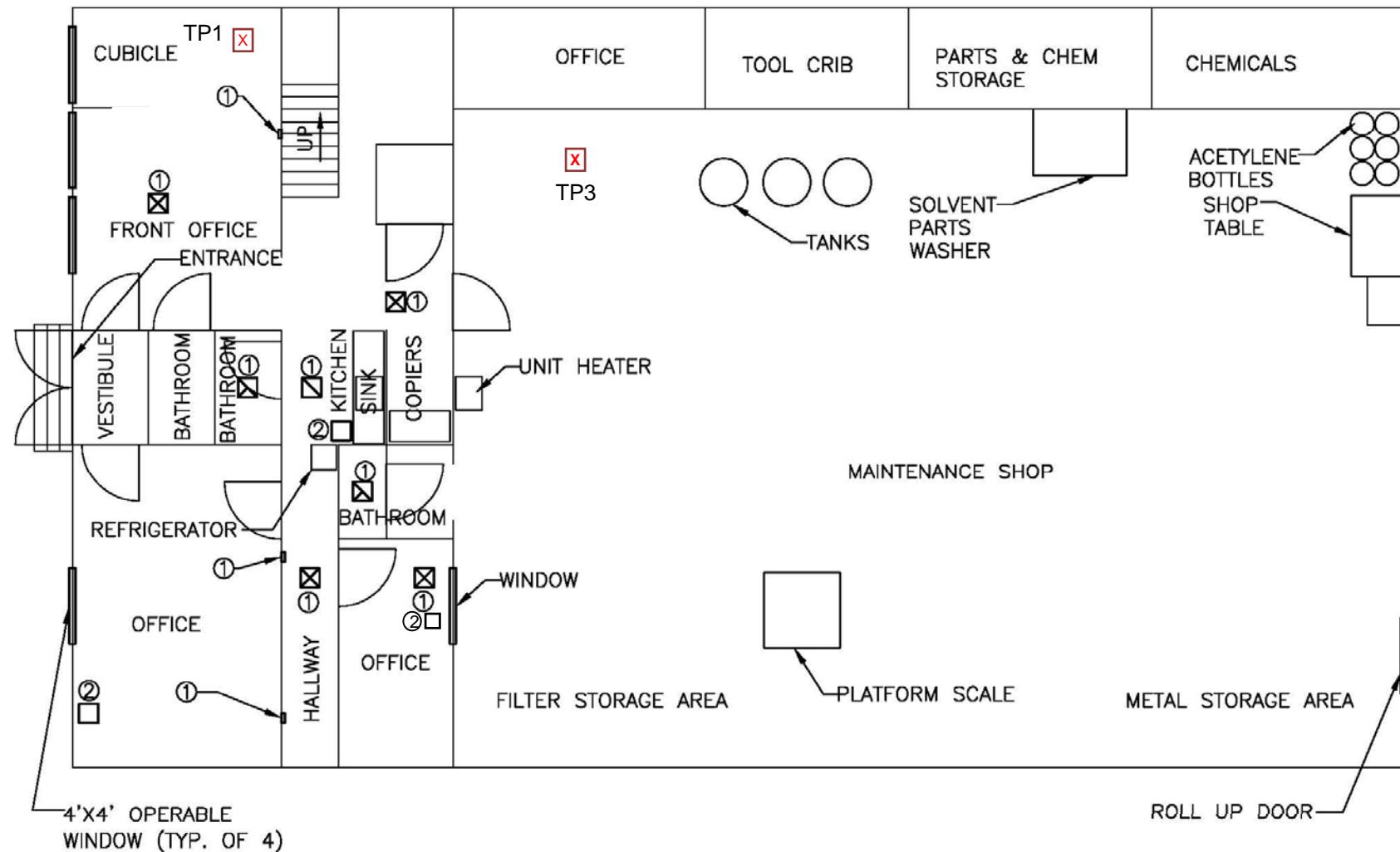
Attachment C: Graphs of TCE and PCE Concentrations (Terra Pave, Bishop, ROP, WCCS, and FRR) (July 27, 2011)

Attachment D: Laboratory Reports and Data Validation Memo (July 27, 2011 Samples)

Attachment A: Figures

LEGEND

- ① Diffuser
- ② Purifier (Installed December 2008, Approximate Location)
- ② Purifier (Installed February 2009, Approximate Location)
- ☒ Indoor Air Sample Location (TP1, TP2, TP3 Approximate)

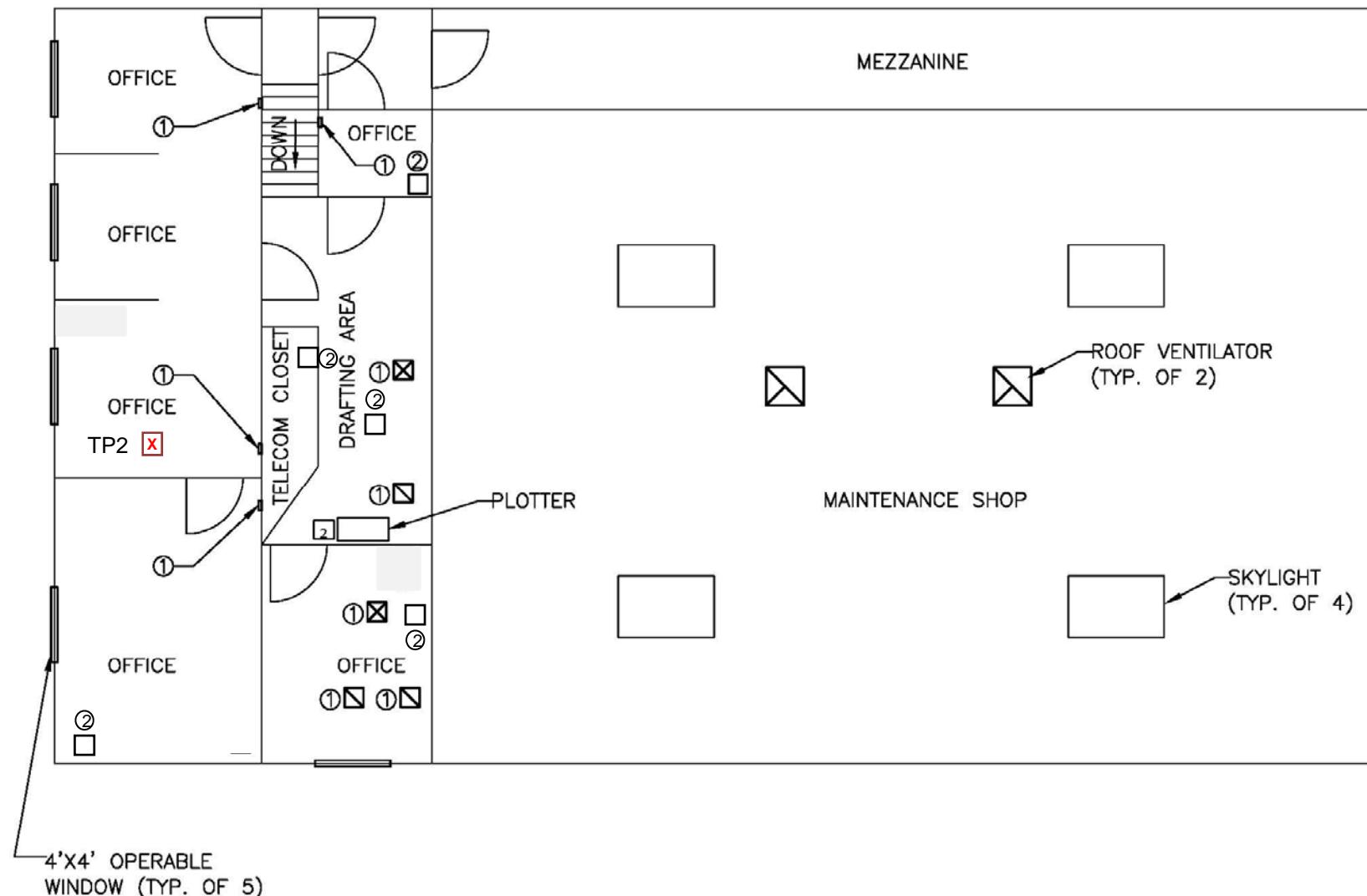


TERRA PAVE
NTS

Figure 1
Terra Pave – First Floor

LEGEND

- ① Diffuser
- ② Purifier (Installed December 2008, Approximate Location)
- ③ Purifier (Installed February 2009, Approximate Location)
- ☒ Indoor Air Sample Location (TP1, TP2, TP3 Approximate)



TERRA PAVE
NTS

Figure 2
Terra Pave – Second Floor

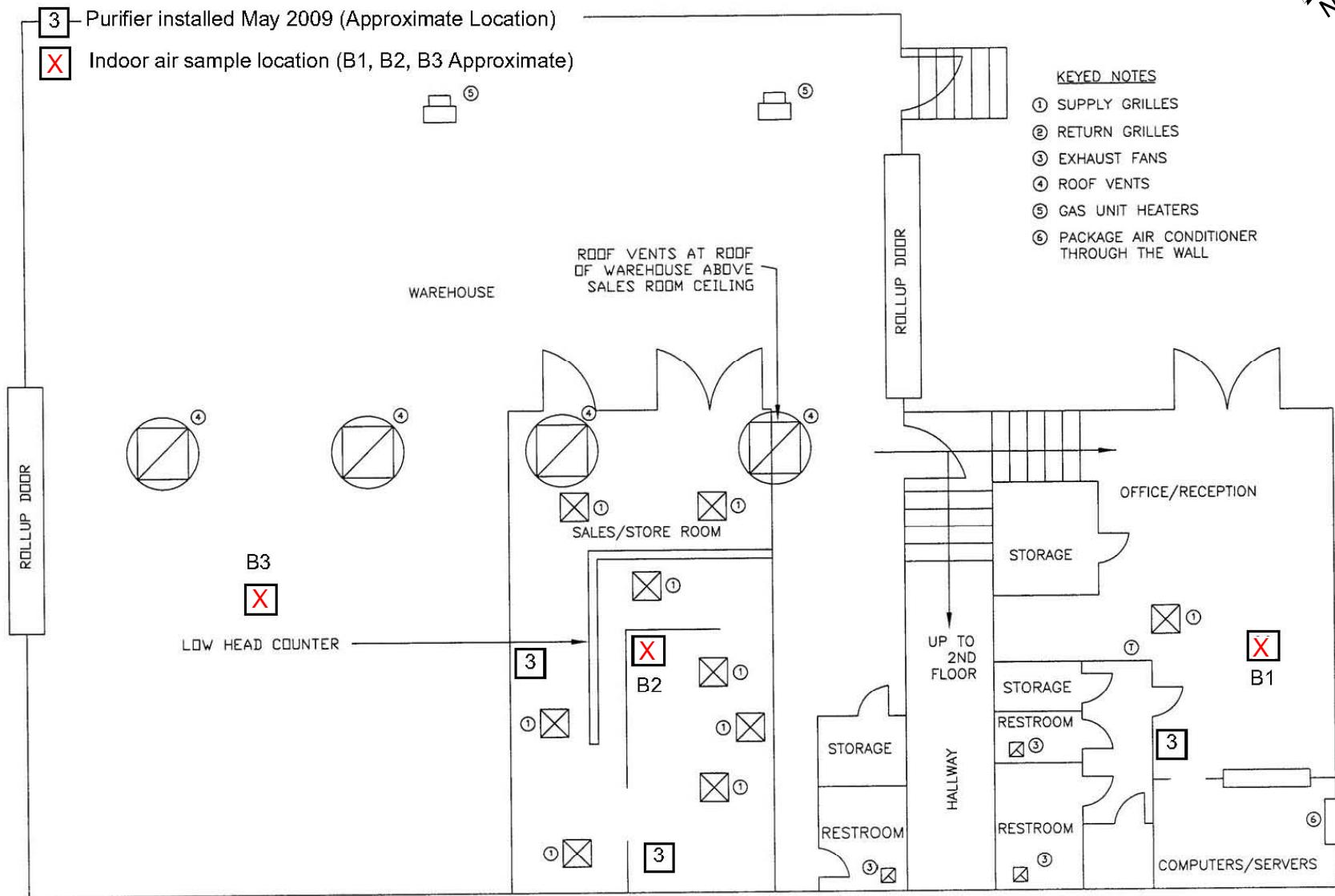


Figure 3
Bishop – First Floor

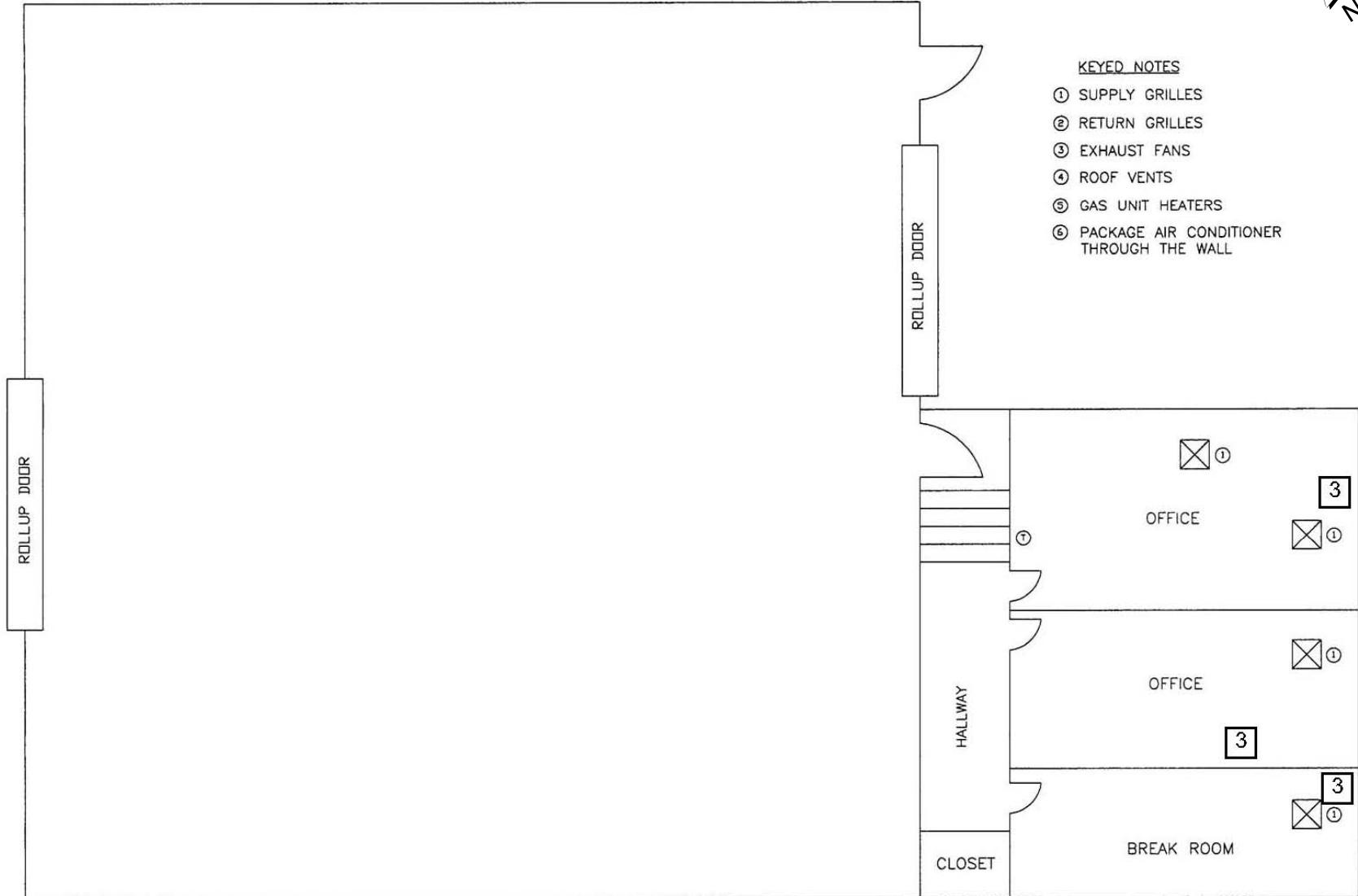


Figure 4
Bishop – Second Floor

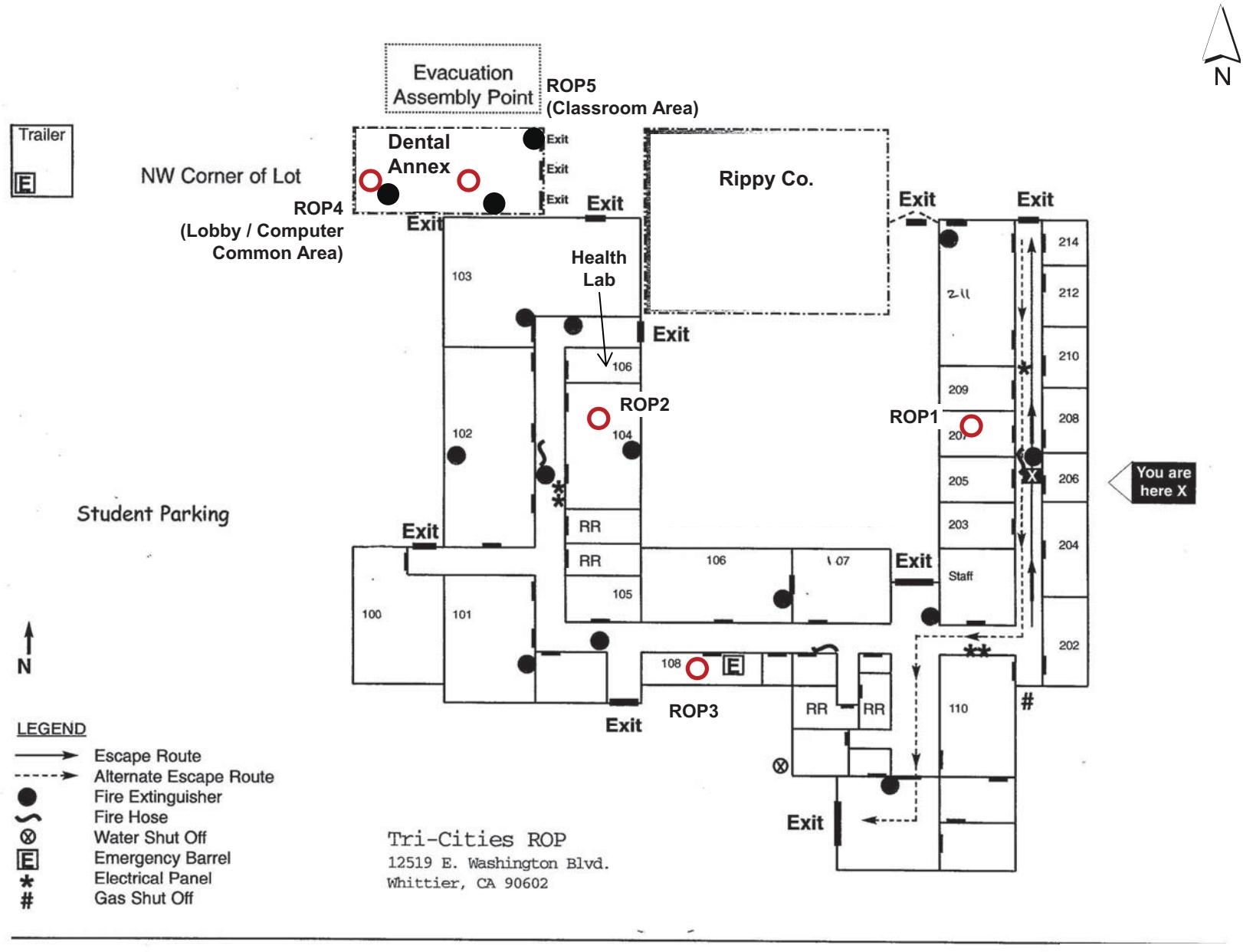


Figure 5
Regional Occupation Program

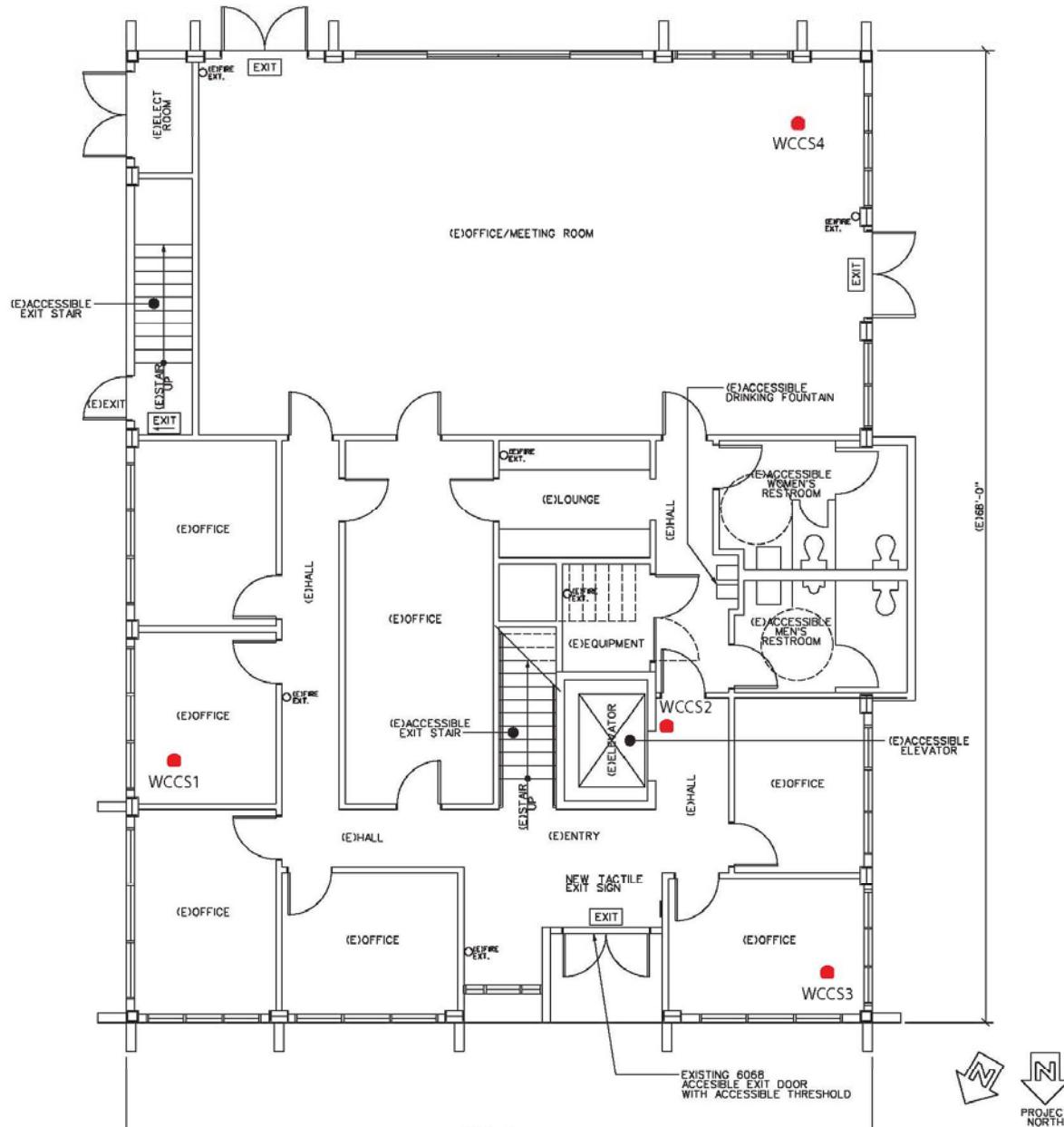


Figure 6
Women and Children's Crisis Shelter – First Floor

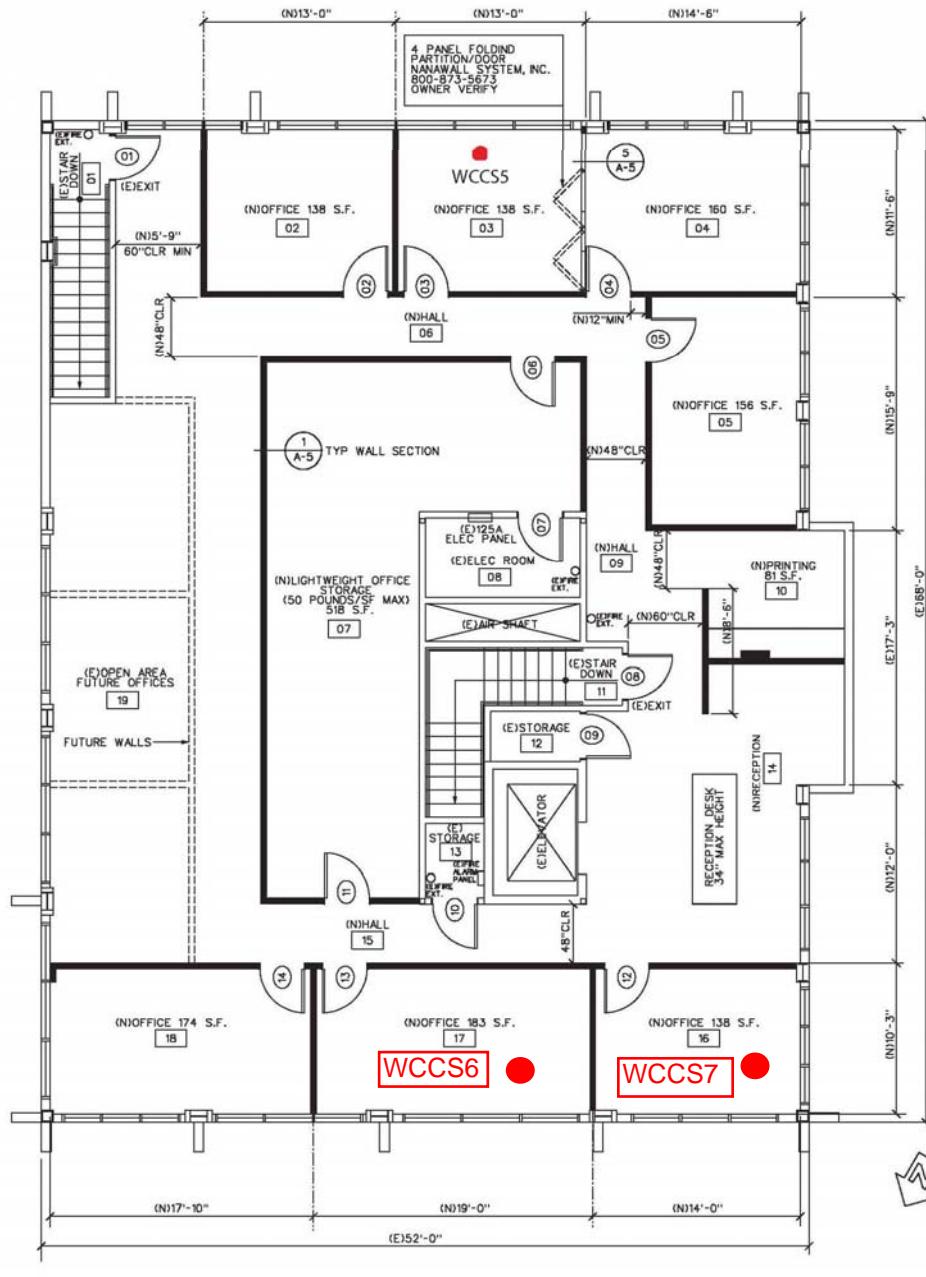
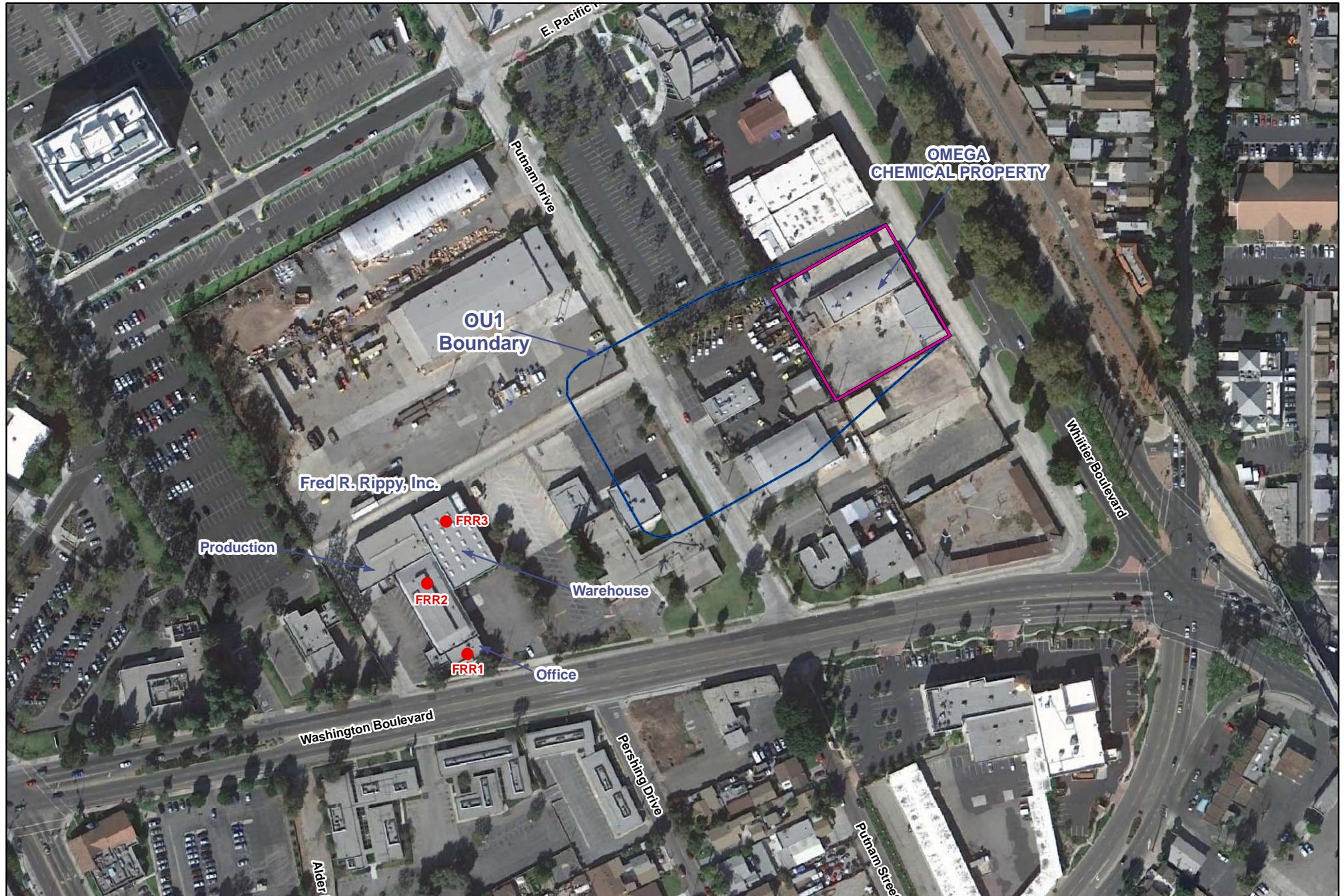


Figure 7
Women and Children's Crisis Shelter – Second Floor



Legend

- Pink Box: Omega Chemical Property
- Blue Line: Phase Ia Area



0 50 100 200
Feet

Figure 8
Fred R. Rippy – Aerial View

Attachment B: Tables

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Ambient																							
Between Star City and 3 Kings																							
05/11/04	ORIG	1.3 U	1 U	1 U	0.37 U	0.75 U	1.2 U	0.86 U	0.91 U	6.5 U	1.1 U	1.7	1.4 U	2.4	0.24 U	4000 E	1.5 U	6	0.79 J	2.8	1.2	3.4 U	
Between Star City and Medlin & Son																							
05/11/04	ORIG	1.2	1.1	1.1	0.66	0.22 U	0.5	0.25 U	0.27 U	1.9 U	0.33 U	1.7	1.8	2.6	0.07 U	28	0.82	7.8	0.63	2	0.77	0.98 U	
09/14/05	ORIG	1.7	0.4	0.2 U	0.45	0.15 U	0.62	0.17 U	0.18 U	1.3 U	0.22 U	2	1.5	1.8	0.048 U	46	0.86	4.6	0.63	2	0.51	0.67 U	
03/03/09	ORIG	0.91	0.24	0.19 U	0.27	0.14 U	0.52	0.16 U	0.17 U	1.3	0.21 U	2.2	1.1	2.5	0.045 U	44	1.4	7.4	0.92	3.1	1.1	0.63 U	
03/31/10	ORIG	2.1	0.17 U	0.2	0.1	0.16	0.38	0.15 U	0.16 U	1.1 U	0.19 U	1.1	0.78	2.1	0.041 U	11	0.53	1.4	0.18	0.54	0.18	0.58 U	
10/07/10	ORIG	0.43	0.18 U	0.19 U	0.21	0.14 U	0.44	0.16 U	0.16 J	1.2 U	0.2 U	1.2	0.98	2.5	0.044 U	26	0.96	2.9	0.41	1.1	0.38	0.62 U	
03/30/11	ORIG	0.32	0.18 U	0.18 U	0.067 U	0.14 U	0.45	0.15 U	0.17	2.7	0.2 U	1.6	0.59	2.7	0.043 U	24	1.3	4.9	0.57	1.7	0.56 J	0.6 U	
Bishop exterior fence																							
09/08/06	ORIG	0.66	0.18 U	0.19 U	0.56	0.14 U	0.57	0.16 U	0.17 U	1.2 U	0.2 U	1.8	1.5	3	0.044 U	38	1	16	0.68	2	0.74	0.62 U	
Exterior fence between parking lots near Dental Annex																							
05/27/10	ORIG	0.77	0.91	0.2 U	0.37 J	0.15 U	0.53	0.17 U	0.18 U	1.3 U	0.22 U	1.7	1.1	2.9	0.047 U	16	0.62	2.1	0.36	0.98	0.32	0.66 U	
07/01/10	ORIG	0.42	0.38	0.2 U	0.11	0.15	0.42	0.16 U	0.19	1.4	0.22 U	1.8	0.73	2.7	0.046 U	21	0.95	2.6	0.25	0.57	0.19	0.64 U	
07/28/10	ORIG	0.38	0.41	0.18 U	0.064 U	0.13 U	0.48	0.15 U	0.16 U	1.1	0.19 U	1.2	0.54	2	0.041 U	21	0.58	1.8	0.29	0.68	0.25	0.58 U	
08/27/10	ORIG	0.49	0.15 U	0.15 U	0.081	0.11 U	0.41	0.13 U	0.18	1	0.17 U	1.7 J	0.66	2.2	0.036 U	17	1.2	3.6	0.36	0.83	0.3	0.5 U	
10/07/10	ORIG	0.24 U	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.21 U	1.7	0.66	2.6	0.045 U	14	0.62	1.8	0.22	0.57	0.2	0.63 U	
10/27/10	ORIG	0.66	0.18 U	0.19 U	0.13	0.14 U	0.32	0.16 U	0.17 U	17	0.2 U	1.2	0.9	2.5	0.044 U	12	0.44	9.1	0.39	0.63	0.18	0.62 U	
11/30/10	ORIG	0.29	0.2 U	0.21 U	0.076 U	0.15 U	0.46 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.73	2.4	0.049 U	12	0.97	2.2	0.35	0.99	0.3	0.69 U	
12/28/10	ORIG	0.49	0.21 U	0.21 U	0.078 U	0.22	0.5 J	0.18 U	0.24	1.4 U	0.24 U	1.6	0.62	2.8	0.05 U	27	1.1	9.3	0.51	1.3	0.32	0.71 U	
01/26/11	ORIG	0.36	0.2 U	0.21 U	0.076 U	0.15 U	0.48 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.6	2.6	0.049 U	20	1	3.4	0.41	1.2	0.34	0.69 U	
02/28/11	ORIG	0.19 U	0.15 U	0.15 U	0.055 UJ	0.11 U	0.28	0.13 U	0.14 U	0.96 U	0.17 U	1.3	0.62	2.5	0.036 U	12	0.96	2.3	0.35	1	0.33	0.5 U	
03/30/11	ORIG	0.34	0.19 U	0.2 U	0.071 U	0.15	0.49	0.16 U	0.18	1.2	0.22 U	1.6	0.59	2.6	0.046 U	18	1.2	3.8	0.5	1.4	0.45 J	0.64 U	
04/29/11	ORIG	0.32	0.18 U	0.19 U	0.068 U	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 U	1.8	0.58	2.8	0.044 U	25	0.56	1.3	0.14 J	0.34	0.16	0.62 U	
05/31/11	ORIG	0.3	0.19 U	0.19 U	0.069 U	0.14 UJ	0.54 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.65	2.7	0.045 U	12	0.85	2.3	0.28	0.81	0.31 J	0.63 U	
06/29/11	ORIG	0.25 U	0.2 U	0.2 U	0.074 U	0.15 U	0.52	0.17 U	0.18 U	1.3 U	0.22 UJ	1.2	0.56	2.5	0.048 U	13	0.59	1.8	0.29	0.84	0.32	0.67 U	
07/27/11	ORIG	0.34	0.18 U	0.18 U	0.067 U	0.14 U	0.54	0.15 U	0.16 U	1.2 U	0.2 U	1.3 J	0.52	2.5	0.043 U	12	0.39	1	0.18	0.5	0.19	0.6 U	
Exterior fence between Terra Pave and Madsen Roofing																							
07/23/08	ORIG	1.3	0.25	0.2 U	0.074 U	0.15 U	0.44	0.17 U	0.18 U	1.3 U	0.22 U	1.3	0.96	2.3	0.048 U	15	1	4.8	0.64	2	0.65	0.67 U	
03/03/09	ORIG	1.2	0.29	0.2 U	0.17	0.15 U	0.51	0.17 U	0.18 U	1.3 U	0.22 U	2.5	0.77	2.4	0.048 U	32	1.4	19	0.61	2	0.75	0.67 U	
07/16/09	ORIG	1.1	0.18 U	0.19 U	0.084	0.14 U	0.57	0.16 U	0.17 U	1.2 U	0.2 U	1.6	0.56	2.5	0.044 U	48	1.2	19	0.51	1.3	0.45	0.62 U	
08/25/09	ORIG	7.9	0.86	0.86 U	0.52	0.64 U	0.99 U	0.73 U	0.77 U	5.5 U	0.95 U	2.2	1.4	3	0.2 U	870 E	3.5	410	2.1	7.2	2.4	2.8 U	
09/30/09	ORIG	4.5	0.47	0.4 U	0.41	0.3 U	0.63	0.34 U	0.36 U	2.5 U	0.44 U	1.6	1.3 J	2.9	0.093 U	31	2.3	20	3.5	13	4.5	1.3 U	
10/29/09	ORIG	9.1	0.78	0.38 U	0.53 J	0.28 U	0.52	0.32 U	0.34 U	3.1	0.42 U	1.8	5	2.7	0.089 U	250 E	2.5	170	2.1	6.7	2.4	1.3 U	

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	11/24/09	ORIG	8.7	0.66	0.2 U	0.72	0.15 U	0.46	0.17 U	0.18 U	2.8	0.22 U	1.3	1.3	2.5	0.048 U	32	7.3	40	10	40	12	0.67 U
	12/28/09	ORIG	1.9	0.19 U	0.19 U	0.22	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	1.5	0.82	2.4	0.045 U	140 E	0.89	3.5	2.4	7.8	2	0.63 U
	01/27/10	ORIG	3	0.28	0.21 U	0.28	0.15 U	0.48	0.18 U	0.19 U	2.7	0.23 U	1.6	0.73	2.5	0.049 U	16	1.1	4.7	1	3.4	1.2	0.69 U
	02/24/10	ORIG	2.8	0.43	0.16 U	0.24	0.12 U	0.51	0.14 U	0.15 U	1.8	0.18 U	1.5	0.77	2.9 J	0.039 U	130 E	1.8	32	3.6	17	6.8	0.55 U
	03/31/10	ORIG	5.1	0.37	0.19 U	0.46	0.2	0.41	0.16 U	0.17 U	2.1	0.21 U	1.1	0.87	2.1	0.045 U	12	6.6	38	5.3	24	6.7	0.63 U
	04/28/10	ORIG	2.4	0.34	0.18 U	0.22 J	0.14 U	0.4	0.15 U	0.16 U	7.2	0.2 U	1.2	0.78 J	2.4	0.043 U	16	0.4	4.8	0.14 J	0.38	0.14 U	0.6 U
	05/27/10	ORIG	0.99	0.18 U	0.19 U	0.31	0.14 U	0.55	0.16 U	0.17 U	1.2 U	0.2 U	1.8	1.1	3.1	0.044 U	17	1.1	4.5	0.65	1.8	0.58	0.62 U
	06/18/10	ORIG	0.23 U	0.18 U	0.19 U	0.068 U	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.56	2.3	0.044 U	31	1	5.1	0.5	1.4	0.45	0.62 U
	06/24/10	ORIG	0.32	0.19 U	0.2 U	0.071 U	0.14 U	0.38	0.16 U	0.17 U	1.2 U	0.22 U	1.5	0.57	2.4	0.046 U	25	1.9	6.6	0.53	1.5	0.5	0.64 U
	07/01/10	ORIG	0.34	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.17 U	1.9	0.21 U	1.7	0.66	2.6	0.045 U	62	2.1	8.4	0.71	2	0.68	0.63 U
	07/08/10	ORIG	0.23	0.18 U	0.18 U	0.067 U	0.14 UJ	0.42	0.15 U	0.16 U	1.9	0.2 U	1.7	0.68	2.7	0.043 U	33	0.9	3	0.31	0.82	0.28	0.6 U
	07/28/10	ORIG	0.36	0.15 U	0.15 U	0.055 U	0.11 U	0.42	0.13 U	0.14 U	1.2	0.17 U	1.3	0.46	2	0.036 U	17	1.9	7.2	1	3.7	1.4	0.5 U
	08/27/10	ORIG	0.34	0.19 U	0.2 U	0.071 U	0.14 U	0.42	0.16 U	0.17 U	1.3	0.22 U	1.6 J	0.67	2.4	0.046 U	14	1.6	5.9	0.52	1.3	0.42	0.64 U
	10/27/10	ORIG	0.25 U	0.2 U	0.2 U	0.074 U	0.15 U	0.45	0.17 U	0.18 U	1.3 U	0.22 U	1.4	2.1	2.5	0.048 U	10	0.48	1.3	0.31	1.1	0.39	0.67 U
	11/30/10	ORIG	0.47	0.19 U	0.19 U	0.069 U	0.18	0.46 J	0.16 U	0.17 U	1.2 U	0.21 U	1	0.55	2.3	0.045 U	130 E	3.5	14	2.4	8.7	2.9	0.63 U
	12/28/10	ORIG	0.51	0.2 U	0.21 U	0.076 U	0.2	0.45 J	0.18 U	0.19 U	1.3 U	0.23 U	1.6	0.61	2.8	0.049 U	18	1.1	9.6	0.5	1.4	0.47	0.69 U
	01/26/11	ORIG	0.6	0.18 U	0.18 U	0.067 U	0.14 U	0.46 J	0.15 U	0.16 U	2.3	0.2 U	1.3	0.56	2.5	0.043 U	170 E	4.1	32	2.5	9.1	2.6	0.6 U
	02/28/11	ORIG	0.34	0.18 U	0.18 U	0.065 UJ	0.14	0.48	0.15 U	0.16 U	3.6	0.2 U	1.2	0.57	2.4	0.042 U	260 E	3.5	63	4.9	14	3.2	0.59 U
	04/29/11	ORIG	0.3	0.18 U	0.19 U	0.068 U	0.14 U	0.42	0.16 U	0.17 U	1.2	0.2 UJ	1.9	0.63	2.8	0.044 U	10	0.92	2.8	0.32	0.9	0.28	0.62 U
	05/31/11	ORIG	0.74	0.19 U	0.19 U	0.087	0.15 J	0.52 J	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.64	2.6	0.045 U	15	3.7	15	1.4	4.9	1.5 J	0.63 U
	06/29/11	ORIG	0.41	0.17 U	0.17 U	0.062 U	0.13 U	0.57	0.14 U	0.15 U	2.3	0.19 UJ	1.1	0.36	2.6	0.04 U	20	6.1	31	5.8	22	8	0.56 U
	07/27/11	ORIG	0.4	0.19 U	0.2 U	0.071 U	0.16	0.49	0.16 U	0.17 U	1.2 U	0.22 UJ	1.2 J	0.51	2.3	0.046 U	7.7	1.6	4.2	0.51	1.7	0.58	0.64 U
Former Merchants Metals																							
	05/11/04	ORIG	0.6	0.23	0.2 U	0.074 U	0.15 U	0.58	0.17 U	0.18 U	1.3 U	0.4	1.6	0.73	2.6	0.048 U	15	1	5.1	0.78	2.3	0.87	0.67 U
Medlin & Son roof intake																							
	05/11/04	ORIG	0.55	0.2 U	0.2 U	0.15	0.15 U	0.59	0.17 U	0.18 U	2.1	0.22 U	1.9	1.3	3.4	0.046 U	19	0.91	5.5	0.79	2.1	0.8	0.66 U
Oncology Care Rooftop																							
	09/08/06	ORIG	0.32	0.19 U	0.19 U	0.069 U	0.14 U	0.53	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.74	2.7	0.045 U	38	1.2	4.4	0.87	2.9	1.1	0.63 U
Outside rear of Madsen Roofing building by AC intake																							
	07/23/08	ORIG	0.99	0.23 U	0.23 U	0.18	0.17 U	0.45	0.2 U	0.21 U	1.5 U	0.25 U	1.3	1.2	2.4	0.054 U	18	1.2	6.6	1.3	3.7	0.95	0.76 U
Rippy Parking Lot																							
	05/11/04	ORIG	0.86	0.48	0.2 U	0.16	0.15 U	0.5	0.17 U	0.18 U	1.3 U	0.22 U	1.7	1.1	2.7	0.048 U	19	1.3	6.7	1.4	5	1.9	0.67 U
	05/11/04	DUP	0.57	0.42	0.16 U	0.12	0.12 U	0.6	0.14 U	0.14 U	1 U	0.18 U	1.8	1.1	2.9	0.038 U	14	0.9	3.3	0.47	1.5	0.52	0.54 U
	09/14/05	ORIG	0.84	0.42	0.2 U	0.13	0.15 U	0.63	0.17 U	0.18 U	1.3 U	0.22 U	1.8	1.4	2	0.047 U	14	0.99	3.7	0.45	1.3	0.45	0.66 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Southwest corner of ROP building rooftop																							
	07/27/11	ORIG	0.23 U	0.18 U	0.19 U	0.068 U	0.14 U	0.5 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	0.5	2.4	0.044 U	11	0.39	1.2	0.2	0.61	0.23	0.62 U
3 Kings Construction																							
Interior office area																							
	05/11/04	ORIG	3.2	0.92	0.22	2.7	0.14 U	0.58	0.16 U	0.25	2.1	0.2 U	3	4.1	2.6	0.044 U	28	6	40	4.4	20	5.6	0.62 U
	09/14/05	ORIG	7.6	2.2	0.2 U	4.9	0.15 U	0.57	0.17 U	0.18 U	49	0.22 U	3.8	4.2	1.4	0.048 U	24	2.8	36	3.2	14	2.9	0.67 U
Storage and work area																							
	05/11/04	ORIG	1	0.25	0.21	0.7	0.13 U	0.59	0.15 U	0.16 U	1.8	0.2 U	2	1.6	2.7	0.043 U	37	5.1	34	3.8	18	5	0.6 U
	09/14/05	ORIG	13	3.3	0.51 U	9.2	0.38 U	0.65	0.43 U	0.46 U	260	0.56 U	5.9	6.8	3.1	0.12 U	50	11	170	16	82	17	1.7 U
Bishop																							
Admin Office																							
	09/08/06	ORIG	9.3	0.5	0.34 U	5.3	0.25 U	0.57	0.28 U	0.3 U	2.2 U	0.37 U	2.3	3.9	3.1	0.079 U	64	1.2	6.5	0.72	2.4	0.93	1.1 U
	09/08/06	DUP	11	0.56	0.16 U	5.8	0.12 U	0.58	0.14 U	0.15	1 J	0.32	2.4	4	2.9	0.038 U	18	1.1	7.7	0.9	3	1.1	0.54 U
	03/03/09	ORIG	110	4.5	0.17 U	44	0.12 U	0.51	0.14 U	0.16	1.1 U	0.19 U	9.1	35	2.3	0.04 U	13	1	4.7	0.61	2	0.75	0.56 U
	03/03/09	EPA	149.2	5.9 J	10.4 U	51.5	7.7 U	12 U	8.7 U	9.3 U	6.6 U	11.4 U	10.1 J	39.9	9.4 U	4.9 U	--	6.1 U	4.1 J	8.3 U	16.9 U	8.3 U	--
	03/03/09	DUP	110	4.6	0.18 U	44	0.13 U	0.54	0.15 U	0.16 J	1.1 U	0.2 U	9.5	36	2.4	0.042 U	14	1	4.7	0.61	2	0.76	0.59 U
	07/16/09	ORIG	14	0.71	0.19 U	2.9	0.14 U	0.58	0.16 U	0.18	1.2 U	0.2 U	2	1.8	2.4	0.044 U	24 J	1	4.2	0.47	1.2	0.43	0.62 U
	07/16/09	DUP	14	0.74	0.18 U	3	0.14 U	0.58	0.15 U	0.18	1.2 U	0.2 U	2	1.7	2.4	0.043 U	37 J	1.1	4.5	0.48	1.2	0.44	0.6 U
	08/25/09	ORIG	3.8	0.59	0.18 U	0.58 J	0.13 J	0.52	0.15 U	0.31	1.4	0.2 U	1.8	0.97	2.6	0.042 U	40 J	2.4	8.7	0.79	2.1 J	0.69 J	0.59 U
	08/25/09	DUP	3.5	0.68	0.19 U	0.74 J	0.17	0.79	0.79 U	0.33	1.6	1 U	1.8	1.3 U	2.3	0.044 U	28 J	2.4	7.8	0.93	2.6 J	1 J	0.62 U
	09/30/09	ORIG	6.5	0.58	0.18 U	1.3	0.13 U	0.58	0.15 U	0.16 U	5.9	0.2 U	1.6	1.7 J	2.6	0.042 U	21 J	0.83	3.8	0.41	0.9	0.32	0.59 U
	09/30/09	DUP	6.3	0.59	0.2 U	1.2	0.14 U	0.62	0.16 U	0.17 U	6.1	0.22 U	1.6	1.8 J	2.9	0.046 U	16 J	0.85	4.2	0.39	0.85	0.3	0.64 U
	10/29/09	ORIG	55	2.4	0.18 U	8 J	0.14 U	0.53	0.15 U	0.18	1.2 U	0.2 U	2.4	9.5	2.4	0.043 U	13	1.8	7	0.72	2.1	0.7	0.6 U
	10/29/09	DUP	55	2.4	0.18 U	8.4 J	0.14 U	0.49	0.15 U	0.18	1.2 U	0.2 U	2.5	9.8	2.4	0.043 U	14	1.8	7.2	0.72	2.2	0.73	0.6 U
	11/24/09	ORIG	140	5.6	0.25 U	26	0.18 U	0.47	0.21 U	0.36	3.4	0.27 U	5.4	15	2.6	0.058 U	25	2.5	36 J	2.4 J	5.4 J	2 J	0.81 U
	11/24/09	DUP	160	5.9	0.26 U	28	0.19 U	0.49	0.22 U	0.34	1.7 U	0.29 U	4.6	15	2.5	0.061 U	25	2.4	9.7 J	1.5 J	4.4 J	1.5 J	0.86 U
	12/28/09	ORIG	210	8.2	0.22 U	61	0.16 U	0.46	0.19 U	0.24	1.4 U	0.25 U	13	40	2.5	0.052 U	18 J	0.97	4.2	0.6	1.8	0.61	0.74 U
	12/28/09	DUP	220	8.4	0.24 U	61	0.18 U	0.46	0.21 U	0.24	1.6 U	0.27 U	13	40	2.5	0.057 U	28 J	0.95	4.5	0.7	2.1	0.76	0.81 U
	01/27/10	ORIG	220	8.1	0.4 U	60	0.3 U	0.5	0.34 U	0.36 U	2.5 U	0.44 U	14	44	2.4	0.094 U	14	1	3.4	0.51	1.3	0.47	1.3 U
	01/27/10	DUP	210	7.8	0.21 U	57	0.16 U	0.48	0.18 U	0.24	2.1	0.24 U	13	41	2.6	0.05 U	18	1	3.5	0.5	1.3	0.45	0.71 U
	02/24/10	ORIG	60	2.5	0.18 U	21	0.14 U	0.51	0.15 U	0.16 U	3.2	0.2 U	4.8	15	3.2 J	0.043 U	18 J	1.3	4.1 J	0.66	2	0.7	0.6 U
	02/24/10	DUP	60	2.5	0.17 U	22	0.12 U	0.54	0.14 U	0.16	3.4	0.19 U	5.1	16	3.2 J	0.04 U	13 J	1.4	5.3 J	0.67	2.1	0.69	0.56 U
	03/31/10	ORIG	94	3.6	0.18 U	28	0.13 U	0.39	0.15 U	0.16 U	1.1 U	0.2 U	5.2	21	2.1	0.042 U	12	0.47	1.2	0.18	0.44	0.16	0.59 U
	03/31/10	DUP	96	3.7	0.2 U	27	0.14 U	0.4	0.16 U	0.17 U	1.2 U	0.22 U	5.5	22	2.2	0.046 U	13	0.48	1.2	0.17	0.44	0.16	0.64 U
	04/28/10	ORIG	28	1.4	0.21 U	6.3 J	0.16 U	0.42	0.18 U	0.19 U	1.8 J	0.24 U	2.3	5.8 J	2.4	0.05 U	8.8	0.37	1.4 J	0.17 U	0.34 U	0.17 U	0.71 U

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Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE	
	04/28/10	DUP	28	1.4	0.2 U	6.6 J	0.2	0.43	0.17 U	0.18 U	2.4 J	0.22 U	2.4	5.8 J	2.5	0.048 U	9.9	0.41	16 J	0.27	0.38	0.16 U	0.67 U	
	05/27/10	ORIG	84	3.2	0.2 U	28	0.14 U	0.53	0.16 U	0.18	1.2 U	0.22 U	4.6	15	2.8	0.046 U	22	0.64	2.5	0.32	0.75	0.26	0.64 U	
	06/18/10	ORIG	1.1	0.17 U	0.18 U	0.065	0.13 U	0.37	0.15 U	0.16 U	1.1 U	0.19 U	1.2	0.55	2.2	0.041 U	27 J	0.44	2.2	0.2	0.44	0.22	0.22 U	0.58 U
	06/18/10	DUP	1.1	0.17 U	0.18 U	0.086	0.13 U	0.39	0.15 U	0.16 U	1.1 U	0.19 U	1.4	0.63	2.4	0.041 U	19 J	0.43	2.2	0.18	0.4	0.15	0.58 U	
	06/24/10	ORIG	0.8	0.18 U	0.18 U	0.067 U	0.14 U	0.32	0.15 U	0.16 U	1.2 U	0.2 U	1.6	0.63	2.7	0.043 U	22 J	0.69	3.4	0.22	0.42	0.14 U	0.6 U	
	06/24/10	DUP	0.77	0.18 U	0.18 U	0.067 U	0.14 U	0.43	0.15 U	0.16 U	1.2 U	0.2 U	1.5	0.59	2.5	0.043 U	34 J	0.65	3.2	0.21	0.42	0.15	0.6 U	
	07/01/10	ORIG	0.83	0.17 U	0.18 U	0.072	0.13 U	0.4	0.15 U	0.17	1.5	0.19 U	1.7	0.63	2.6	0.041 U	44	0.93	4.3	0.3	0.67	0.3	0.58 U	
	07/08/10	ORIG	0.4	0.19 U	0.19 U	0.069 U	0.14 UJ	0.4	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.72	2.5	0.045 U	20 J	0.6	1.7	0.17	0.38	0.19	0.63 U	
	07/08/10	DUP	0.41	0.19 U	0.19 U	0.069 U	0.14 UJ	0.4	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.69	2.5	0.045 U	32 J	0.58	1.7	0.16	0.34	0.16	0.63 U	
	07/28/10	ORIG	0.61	0.17 U	0.17 U	0.063 U	0.13 U	0.42	0.14 U	0.15 U	1.1 U	0.19 U	1.2	0.46	2.1	0.04 U	28	0.82	2.6	0.34	0.87	0.34	0.57 U	
	08/27/10	ORIG	0.5	0.16 U	0.16 U	0.068	0.12 U	0.42	0.13 U	0.18	1.6	0.18 U	1.6 J	0.71	2.4	0.037 U	18	0.95	3.3	0.37	0.9	0.29	0.53 U	
	09/29/10	ORIG	0.68	0.16 U	0.16 U	0.38 J	0.14	0.44	0.14 U	0.19	1.4	0.18 U	2.1	1	2.8	0.039 U	32	1.5	4.7	0.65	1.6	0.64	0.55 U	
	09/29/10	DUP	0.71	0.18 U	0.18 U	0.17 J	0.14 U	0.53	0.15 U	0.18	1.4	0.2 U	1.9	0.82	2.7	0.043 U	30	1.5	4.6	0.67	1.8	0.65	0.6 U	
	10/27/10	ORIG	1.3	0.15 U	0.15 U	0.59	0.11 U	0.46	0.12 U	0.3	1.5	0.16 U	2.3	3.6	2.9	0.035 U	24	5.5	15	2.1	7.3	2.2	0.49 U	
	11/30/10	ORIG	0.75	0.18 U	0.18 U	0.11	0.18	0.44 J	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.57	2.4	0.042 U	14	2.1	5.8	1	3.4	1.1	0.59 U	
	12/28/10	ORIG	1.2	0.14 U	0.15 U	0.21	0.18	0.82 J	0.12 U	0.18	1	0.16 U	1.5	0.73	2.7	0.034 U	18	4.5	13	1.6	5.4	1.6	0.48 U	
	01/26/11	ORIG	1.2	0.18 U	0.19 U	0.1	0.14 U	0.49 J	0.16 U	0.19	2.8	0.2 U	1.7	0.75	2.7	0.044 U	33	2.4	7.1	0.97	2.9	0.86	0.62 U	
	02/28/11	ORIG	0.64	0.19 U	0.2 U	0.12 J	0.14	0.4	0.16 U	0.17 U	1.2 U	0.22 U	1.5	0.62	2.4	0.046 U	12	1.3	3.2	0.51	1.6	0.55	0.64 U	
	03/30/11	ORIG	0.79	0.18 U	0.19 U	0.14 J	0.16	0.46	0.16 U	0.7	1.6	0.26	1.4	0.59	2.4	0.044 U	22	1.4	5.6	0.71	2.1	0.85	0.62 U	
	03/30/11	DUP	0.81	0.18 U	0.19 U	0.14 J	0.17	0.47	0.16 U	0.74	1.6	0.2 U	1.4	0.6	2.5	0.044 U	21	1.4	5.8	0.69	2.1	0.73	0.62 U	
	04/29/11	ORIG	0.26	0.17 U	0.17 U	0.061 U	0.16	0.5 J	0.14 U	1.7	3	0.19 J	2 J	1.1	3	0.04 U	18	0.62	2	0.27	0.66	0.26	0.56 U	
	05/31/11	ORIG	0.92	0.2 U	0.2 U	0.12	0.15 UJ	0.55 J	0.17 U	0.22	1.3 U	0.22 U	1.2	1	2.6	0.047 U	16	1.2	4.2	0.56	1.7	0.61 J	0.66 U	
	05/31/11	DUP	0.92	0.18 U	0.18 U	0.12	0.14 J	0.55 J	0.15 U	0.23	1.1 U	0.2 U	1.1	1	2.6	0.042 U	18	1.3	4.8	0.58	1.8	0.63 J	0.59 U	
	06/29/11	ORIG	0.69	0.18 U	0.18 U	0.067 U	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	1	2.5	0.043 U	21	0.7	2.5	0.4	1.2	0.54	0.61 U	
	06/29/11	DUP	0.67	0.18 U	0.18 U	0.067 U	0.14	0.52	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	1	2.5	0.043 U	18	0.63	0.13 U	0.4	1.2	0.54	0.6 U	
	07/27/11	ORIG	0.34	0.18 U	0.19 U	0.068 U	0.14 U	0.53 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	1.5	2.4	0.044 U	12	0.39	1.4 J	0.22	0.66	0.25	0.62 U	
	07/27/11	DUP	0.29	0.18 U	0.19 U	0.068 U	0.14 U	0.53 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.3	1.6	2.6	0.044 U	12	0.36	0.8 J	0.15 U	0.3 U	0.15 U	0.62 U	
Interior Store																								
	09/08/06	ORIG	29	1.5	0.19	14	0.13 U	0.51	0.15 U	0.18	1.7	0.21	3.7	10	2.7	0.041 U	28	1.2	8.4	1.7	4.9	1.7	0.67	
	03/03/09	ORIG	72	3.9	0.2 U	31	0.15 U	0.52	0.17 U	0.24	1.8	0.22 U	7.2	21	2.4	0.047 U	24	1.8	9.8	2.4	6.6	2.2	0.69	
	07/16/09	ORIG	16	0.89	0.18 U	3.9	0.13 U	0.58	0.15 U	0.22	1.5	0.2 U	2.2	2.5	2.5	0.042 U	26	1.5	7.8	1	3	0.83	0.59 U	
	08/25/09	ORIG	17	1.3	0.28 U	4	0.21 U	0.49	1.2 U	0.33	2.4	1.6 U	2.2	2.9	2.4	0.066 U	71	2.6	8.8	1.6	4.3	1.7	0.93 U	
	09/30/09	ORIG	36	2	0.19 U	7.8	0.14 U	0.61	0.16 U	0.21	7.9	0.21 U	2.3	5.9 J	2.7	0.045 U	32	1.1	5.8	0.85	2.3	0.7	0.63 U	
	10/29/09	ORIG	82	3.9	0.18 U	14 J	0.14 U	0.51	0.15 U	0.27	2	0.2 U	3.6	15	2.3	0.043 U	26	2.5	9.7	1.4	4.3	1.3	0.6 U	
	11/24/09	ORIG	130	6.6	0.23	34	0.15 U	0.49	0.17 U	0.44	2.8	0.23	7	22	2.7	0.047 U	35	3.3	19	2.6	8.1	2.6	0.66 U	

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	12/28/09	ORIG	180	9.7	0.36	69	0.18 U	0.44	0.2 U	0.46	1.6	0.26 U	15	44	2.6	0.056 U	40	1.5	7.4	1.6	4.6	1.5	0.79 U
	01/27/10	ORIG	100	5.4	0.23	34	0.14 U	0.48	0.16 U	0.41	3.1	0.22 U	7.6 J	19	2.5	0.046 U	30	1.7	10	1.5	4.2	1.3	0.64 U
	02/24/10	ORIG	40	2.1	0.2 U	14	0.14 U	0.53	0.16 U	0.19	5	0.22 U	3.5	8.9	2.6 J	0.046 U	16	1.5	5.4	0.86	2.8	0.91	0.64 U
	03/31/10	ORIG	16 J	0.95 J	0.15 UJ	6.1 J	0.13 J	0.44 J	0.12 UJ	0.13 UJ	1.1 J	0.16 UJ	2.1 J	4.4 J	2.2 J	0.034 UJ	14 J	0.65 J	7.3 J	0.41 J	0.97 J	0.3 J	0.48 UJ
	04/28/10	ORIG	23	1.4	0.19 U	6.9 J	0.14 U	0.41	0.16 U	0.17 U	3.4	0.2 U	2.2	4.8 J	2.4	0.044 U	19	0.47	1.6	0.37	0.8	0.22	0.62 U
	05/27/10	ORIG	26	1.3	0.18 U	8.5 J	0.13 U	0.53	0.15 U	0.2	1.4	0.19 U	2.7	5.2	2.8	0.041 U	18	0.72	3.8	0.63	1.5	0.46	0.58 U
	06/18/10	ORIG	1.8	0.17 U	0.17 U	0.24	0.12	0.38	0.14 U	0.16	1.1 U	0.19 U	1.4	0.7	2.3	0.04 U	22	0.61	3.7	0.35	0.84	0.36	0.56 U
	06/24/10	ORIG	1.3	0.18 U	0.18 U	0.22	0.13 U	0.42	0.15 U	0.16 U	1.3	0.2 U	1.8	0.7	2.7	0.042 U	25	0.75	3.7	0.32	0.65	0.2	0.59 U
	07/01/10	ORIG	1.1	0.18 U	0.18 U	0.17	0.14 U	0.4	0.15 U	0.2	1.8	0.2 U	1.8	0.66	2.6	0.043 U	34	1.1	6.6	0.6	1.5	0.44	0.6 U
	07/08/10	ORIG	0.62	0.2 U	0.2 U	0.072 U	0.15 UJ	0.39	0.17 U	0.18 U	2	0.22 U	1.7	0.75	2.6	0.047 U	30	0.81	2.6	0.37	0.74	0.29	0.66 U
	07/28/10	ORIG	1.1	0.15 U	0.15 U	0.19	0.11 U	0.43	0.13 U	0.14	1.3	0.17 U	1.3	0.46	2	0.036 U	28	1.1	5.8	1	3.3	1.1	0.51 U
	08/27/10	ORIG	0.69	0.17 U	0.18 U	0.14	0.13 U	0.41	0.15 U	0.24	2	0.19 U	1.6 J	0.7	2.3	0.041 U	20	1.2	4.4	0.6	1.4	0.45	0.58 U
	09/29/10	ORIG	0.92	0.17 U	0.18 U	0.24	0.13 U	0.45	0.15 U	0.22	1.8	0.19 U	2	0.87	2.8	0.041 U	31	2	6.6	1	2.5	0.84	0.58 U
	10/27/10	ORIG	0.77	0.18 U	0.18 U	0.19	0.14 U	0.45	0.15 U	0.19	1.4	0.2 U	2	1.6	2.6	0.043 U	18	2	5.9	1	3	0.9	0.6 U
	11/30/10	ORIG	1.9	0.17 U	0.18 U	0.51	0.18	0.43 J	0.15 U	0.17	1.2	0.19 U	1	0.61	2.4	0.041 U	21	2.5	7.2	1.4	4.6	1.4	0.58 U
	12/28/10	ORIG	1.6	0.18 U	0.18 U	0.2	0.26	0.47 J	0.15 U	0.18	1.7	0.2 U	1.4	0.66	2.6	0.042 U	26	3.3	22	2.2	5.6	2.2	0.59 U
	01/26/11	ORIG	8.4	0.17 U	0.18 U	0.23	0.13 U	0.5 J	0.15 U	0.25	2.7	0.19 U	1.8	1.2	2.6	0.041 U	35	3.6	12	2	6.2	1.6	0.58 U
	02/28/11	ORIG	0.83	0.19 U	0.19 U	0.14 J	0.14	0.38	0.16 U	0.17 U	1.2 U	0.21 U	1.5	0.64	2.4	0.045 U	13	1.5	4.3	0.89	2.7	0.91	0.63 U
	03/30/11	ORIG	1.4	0.18 U	0.18 U	0.28 J	0.14 U	0.46	0.15 U	0.31	1.7	0.2 U	0.83	0.6	2.3	0.043 U	19	1.5	6.9	1.1	3.4	1	0.6 U
	04/29/11	ORIG	0.64 J	0.17 U	0.18 U	0.088	0.13 U	0.47 J	0.15 U	0.22 J	1.8	0.19 J	2 J	2.6 J	3	0.041 U	21 J	0.87 J	5.2 J	0.74 J	1.6 J	0.47 J	0.58 U
	04/29/11	DUP	0.26 J	0.17 U	0.17 U	0.07	0.14	0.5	0.14 U	1.8 J	1.1	0.19 UJ	2	1.2 J	3	0.04 U	16 J	0.55 J	2.1 J	0.18 J	0.43 J	0.15 J	0.56 U
	05/31/11	ORIG	2	0.2 U	0.2 U	0.38	0.15 UJ	0.53 J	0.17 U	0.2	2.2	0.22 U	1.3	1.7	2.7	0.047 U	20	1.7	6.8	1.2	3.6	1.2 J	0.66 U
	06/29/11	ORIG	0.87	0.18 U	0.18 U	0.09	0.13	0.5	0.15 U	0.16 U	1.4	0.2 UJ	1.3	1.7	2.5	0.042 U	21	0.88	3.8	0.97	2.9	1	0.6 U
	07/27/11	ORIG	0.58	0.16 U	0.16 U	0.062	0.12 U	0.5 J	0.13 U	0.14 U	1.4	0.18 UJ	1.2	5.9	2.4	0.037 U	19	0.49	2.9	0.75	2.1	0.67	0.53 U
Warehouse																							
	09/08/06	ORIG	7.1	0.44	0.18 U	3.6	0.13 U	0.54	0.15 U	0.16 U	1.1 U	0.19 U	2.2	3.4	2.9	0.041 U	31	1.2	6.9	1	3.7	1.4	0.58 U
	03/03/09	ORIG	6	0.48	0.18 U	2.4	0.14 U	0.53	0.15 U	0.16 U	1.2 U	0.2 U	2.9	2.3	2.4	0.043 U	12	1.4	6.3	0.85	2.7	1	0.6 U
	07/16/09	ORIG	4.3	0.32	0.2 U	0.96	0.15 U	0.58	0.17 U	0.18 U	1.3 U	0.22 U	1.8	0.92	2.5	0.047 U	23	1.2	5.2	0.56	1.4	0.5	0.66 U
	08/25/09	ORIG	5.7	0.72	0.18 U	1.2	0.14 U	0.78	0.77 U	0.28	1.2	1.3	1.9	1.4	2.4	0.043 U	22	2.3	8.6	1.4	3.8	1.4	0.6 U
	09/30/09	ORIG	8.5	0.69	0.2 U	1.8	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.22 U	1.8	2.6 J	2.8	0.046 U	18	0.9	4.1	0.42	0.94	0.33	0.64 U
	10/29/09	ORIG	8.9	0.82	0.16 U	1.5 J	0.12 U	0.5	0.14 U	0.17	1 U	0.18 U	1.6	6.1	2.5	0.038 U	21	2	8.8	0.8	2.4	0.84	0.54 U
	11/24/09	ORIG	9.5	0.72	0.19 U	1.8	0.14 U	0.46	0.16 U	0.24	1.2 U	0.2 U	1.9	1.9	2.5	0.044 U	29	2	9.3	1.1	3.2	1.1	0.62 U
	12/28/09	ORIG	20	0.93	0.19 U	5.8	0.14 U	0.43	0.16 U	0.17 U	1.2 U	0.21 U	2.8	5.4	2.4	0.044 U	20	1.1	3.8	0.65	1.8	0.68	0.62 U
	01/27/10	ORIG	8.4	0.45	0.18 U	2.2	0.13 U	0.45	0.15 U	0.16 U	3	0.2 U	1.9 J	2	2.4	0.042 U	22	0.97	7.5	0.61	1.6	0.6	0.59 U
	02/24/10	ORIG	12	0.78	0.16 U	3.7	0.12 U	0.52	0.14 U	0.15 U	1	0.18 U	2	3.1	2.8 J	0.039 U	14	1.4	6.7	0.76	2.3	0.75	0.55 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	03/31/10	ORIG	6.9	0.5	0.15 U	2.9	0.13	0.38	0.13 U	0.14 U	2	0.17 U	1.6	2.8	2.3	0.036 U	11	0.47	3.4	0.3	0.97	0.27	0.51 U
	04/28/10	ORIG	2.9	0.28	0.2 U	0.77 J	0.15 U	0.41	0.17 U	0.18 U	1.3 U	0.22 U	1.5	1.3 J	2.5	0.048 U	7.2	0.38	1	0.16 U	0.32 U	0.16 U	0.67 U
	05/27/10	ORIG	3.9	0.34	0.18 U	1.2 J	0.13 U	0.56	0.15 U	0.16 U	1.1 U	0.19 U	1.9	1.5	3	0.041 U	22	0.62	3.1	0.3	0.73	0.24	0.58 U
	06/18/10	ORIG	0.43	0.19 U	0.19 U	0.069 U	0.14 U	0.36	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.54	2.3	0.045 U	27	0.43	4.1	0.24	0.52	0.18	0.63 U
	06/24/10	ORIG	0.34	0.18 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.2 U	1.7	0.63	2.6	0.044 U	30	0.71	3.9	0.25	0.48	0.15	0.62 U
	07/01/10	ORIG	0.38	0.15 U	0.15 U	0.054 U	0.11 U	0.35	0.12 U	0.16	1.2	0.16 U	1.6	0.53	2.4	0.035 U	27	0.97	4.6	0.3	0.66	0.21	0.49 U
	07/08/10	ORIG	0.23	0.17 U	0.17 U	0.063 U	0.13 UJ	0.43	0.14 U	0.15 U	1.2	0.19 U	1.8	0.76	2.8	0.04 U	20	0.69	2.3	0.2	0.45	0.19	0.57 U
	07/28/10	ORIG	0.38	0.16 U	0.16 U	0.059 U	0.12 U	0.48	0.14 U	0.14 U	1.3	0.18 U	1.2	0.46	2	0.038 U	52	0.69	2.5	0.39	1	0.38	0.54 U
	08/27/10	ORIG	0.38	0.18 U	0.19 U	0.08	0.14 U	0.42	0.16 U	0.19	1.2	0.2 U	1.7	0.72	2.2	0.044 U	16	0.91	3.5	0.38	0.88	0.29	0.62 U
	09/29/10	ORIG	0.68	0.19 U	0.19 U	0.5	0.14 U	0.49	0.16 U	0.18	1.2	0.21 U	1.8	1.1	2.7	0.045 U	33	1.4	4.8	0.67	1.8	0.63	0.63 U
	10/27/10	ORIG	0.4	0.18 U	0.18 U	0.096	0.14 U	0.44	0.15 U	0.16 U	1.2 U	0.2 U	1.5	1.1	2.7	0.043 U	10	1.6	4.1	0.58	1.6	0.6	0.6 U
	11/30/10	ORIG	0.87	0.18 U	0.18 U	0.11	0.19	0.45 J	0.15 U	0.16 U	1.1 U	0.2 U	1	0.54	2.5	0.042 U	18	2.2	5.8	0.95	3	0.99	0.59 U
	12/28/10	ORIG	0.93	0.14 U	0.15 U	0.12	0.11	0.48 J	0.12 U	0.13 U	0.93 U	0.16 U	1.4	0.61	2.7	0.034 U	13	2.2	6	0.76	2.2	0.71	0.48 U
	01/26/11	ORIG	1.1	0.19 U	0.19 U	0.11	0.14 U	0.46 J	0.16 U	0.18	2.2	0.21 U	1.7	0.73	2.7	0.045 U	24	2.2	6.6	0.83	2.3	0.68	0.63 U
	02/28/11	ORIG	0.57	0.19 U	0.2 U	0.12 J	0.14 U	0.32	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.61	2.4	0.046 U	9.3	1.2	2.8	0.44	1.3	0.45	0.64 U
	03/30/11	ORIG	0.78	0.17 U	0.17 U	0.061 U	0.12 U	0.48	0.14 U	0.22	2.9	0.19 U	1.5	0.72	2.5	0.04 U	21	1.2	9.8	0.69	1.8	0.72	0.56 U
	04/29/11	ORIG	0.2 J	0.14 UJ	0.15 UJ	0.053 UJ	0.15 J	0.47 J	0.12 UJ	0.16 J	7.1 J	0.16 UJ	2 J	0.82 J	3 J	0.034 UJ	13 J	0.62 J	2.5 J	0.29 J	0.65 J	0.2 J	0.48 UJ
	05/31/11	ORIG	0.96	0.2 U	0.21 U	0.11	0.15 UJ	0.5 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.78	2.5	0.049 U	14	1.2	4.2	0.57	1.6	0.56 J	0.69 U
	06/29/11	ORIG	0.67	0.18 U	0.18 U	0.071	0.14 U	0.6	0.15 U	0.16 U	1.2	0.2 UJ	1.2	0.66	2.4	0.043 U	15	0.63	2.5	0.38	1.2	0.42	0.6 U
	07/27/11	ORIG	0.27	0.19 U	0.19 U	0.069 U	0.14 U	0.48 J	0.16 U	0.17 U	1.2 U	0.21 UJ	1.2	0.64	2.4	0.045 U	14	0.44	2	0.25	0.71	0.26	0.63 U
Former Oncology Care Medical Associates																							
Admin Office																							
	09/08/06	ORIG	0.43 U	0.34 U	0.34 U	0.2	0.26 U	0.52	0.29 U	0.66	2.2 U	0.38 U	1.7	1.2	2.9	0.081 U	95	1.2	16	1	3	1.2	1.1 U
	03/31/10	ORIG	0.61 U	0.48 U	0.49 U	1.1	0.36 U	0.56 U	0.41 U	1.2	3.1 U	0.54 U	6.5	2.3	14	0.11 U	90	0.72 U	3.7	0.44	0.78 U	0.39 U	1.6 U
	04/29/11	ORIG	0.24	0.18 U	0.18 U	0.065 U	0.13	0.47	0.15 U	1.1	1.1 U	0.2 UJ	2	0.68	2.9	0.042 U	25	0.61	2.2	0.18	0.48	0.16	0.59 U
Nurses Station																							
	09/08/06	ORIG	0.44	0.35 U	0.35 U	0.23	0.32	0.5	0.3 U	0.57	2.2 U	0.39	1.8	1.6	3.4	0.082 U	99	1.1	17	0.94	3.1	1.3	1.2 U
	03/31/10	ORIG	9.5 U	7.5 U	7.6 U	1.6 J	5.7 U	8.8 U	6.4 U	6.8 U	4.9 U	8.4 U	3.5 J	11 U	5.5 J	3.6 U	51	0.79 J	3.7 J	0.57 J	1 J	6.1 U	5 U
	04/29/11	ORIG	0.22 U	0.18 U	0.18 U	0.065 U	0.13	0.46	0.15 U	0.55	1.1 U	0.2 UJ	2	0.66	2.9	0.042 U	24	0.62	2.2	0.18	0.51	0.16	0.59 U
Fred R. Rippy Company																							
Front Office																							
	07/01/10	ORIG	12	140	0.18 U	9.7	0.6	0.4	0.15 U	0.33	2.1	8.8	4	7.1	2.7	0.043 U	36 J	0.94	3.2	0.3	0.73	0.29	0.6 U
	07/01/10	DUP	12	140	0.18 U	10	0.59	0.41	0.15 U	0.33	1.7	9.4	4.1	7.6	2.6	0.043 U	49 J	0.92	3	0.3	0.74	0.25	0.6 U
	08/27/10	ORIG	1.2	6.1	0.19 U	0.63	0.25	0.42	0.16 U	0.18	1.2 U	1.1	1.6	0.96	2.2	0.044 U	19	1	3.3	0.37	0.92	0.3	0.62 U
	08/27/10	DUP	1.2	6.3	0.18 U	0.64	0.24	0.43	0.15 U	0.18	1.2 U	1.2	1.7	1	2.3	0.043 U	19	1	3.4	0.4	0.95	0.3	0.6 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	11/30/10	ORIG	34 J	2.8	0.15 U	18	0.39	0.42 J	0.12 U	0.39	1.8	4.7	3.5	8.7	2.6	0.035 U	69 EJ	4.7	12	1.5	5.6	2	0.49 U
	11/30/10	DUP	42 J	3.3	0.18 U	22	0.38	0.46 J	0.15 U	0.45	1.1 U	5.2	4.1	10	2.6	0.041 U	99 EJ	4.8	10	1.4	5	1.8	0.58 U
	01/26/11	ORIG	28	2.2	0.21	15	0.48	0.51 J	0.15 U	0.44	2	4.8	4.5	8.4	2.6	0.041 U	170 E	3.3	11	1.5	5.5	1.9	0.58 U
	01/26/11	DUP	29	2.3	0.21	15	0.39	0.52 J	0.15 U	0.45	1.9	5.2	4.5	8.5	2.7	0.043 U	170 E	3.3	11	1.5	5.6	2.1	0.6 U
	02/28/11	ORIG	25 J	2.1 J	0.15 U	18 J	0.2	0.37	0.12 U	0.42	0.92 J	2.9	4.4 J	8.2 J	2.5	0.034 U	27 J	2.4	7 J	1 J	3.5 J	1.2 J	0.48 U
	02/28/11	DUP	47 J	3.8 J	0.18 U	33 J	0.25	0.41	0.15 U	0.52	1.1 U	3.2	6.8 J	14 J	2.4	0.041 U	44 J	2	5.7 J	0.81 J	2.7 J	0.92 J	0.58 U
	03/30/11	ORIG	36	2.9	0.35 U	31 J	0.48	0.5	0.3 U	0.46	2.2 U	15 J	4.7	12	2.5	0.082 U	100	1.2	5.1	0.56	1.6	0.55 J	1.2 U
	03/30/11	DUP	36	3	0.35 U	30 J	0.37	0.51	0.3 U	0.45	2.2 U	6.6 J	4.6	12	2.6	0.082 U	100	1.3	5.2	0.54	1.5	0.48 J	1.2 U
	04/29/11	ORIG	31	2.4	0.19 U	18	0.34 J	0.47 J	0.16 U	0.43	1.2 U	9.7 J	5.8 J	9.2	2.8	0.044 U	38	0.63	3.8 J	0.25 J	0.64 J	0.2	0.62 U
	04/29/11	DUP	27	2.1	0.18 U	15	0.6 J	0.45 J	0.15 U	0.39	1.2	8.4 J	5.1 J	7.8	2.7	0.041 U	35	0.68	10 J	0.56 J	1 J	0.32	0.58 U
	05/31/11	ORIG	45	3.1	0.25	23	0.3 J	0.51 J	0.15 U	0.51	1.1 U	24	3.1	7.7	2.5	0.042 U	38	1.2	4.7	0.64	2	0.71 J	0.59 U
	06/29/11	ORIG	24	1.8	0.17 U	11	0.41	0.54	0.14 U	0.29	1.1 U	13 J	2.6	4.3	2.5	0.039 U	58	0.71	2.8	0.45	1.4	0.59	0.55 U
	07/27/11	ORIG	19	1.4	0.16 U	8.9	0.12 U	0.56 J	0.13 U	0.28	1.2	15 J	2.4	3.7	2.5	0.037 U	26	0.42	1.8	0.32	0.99	0.37	0.53 U
Production Area																							
	07/01/10	ORIG	14	990	4.7 U	5.7	3.5 U	5.4 U	3.9 U	4.2 U	5.1	5.1 U	4.8 U	6.6 U	4.2 U	2.2 U	30	2.7 U	4.6	3.7 U	3.7 U	3.7 U	3.1 U
	08/27/10	ORIG	5.9	130	0.19 U	2.4	0.14 U	0.4	0.16 U	0.17	1.4	1	2	1.8	2.3	0.044 U	16	1	2.9	0.35	0.89	0.28	0.62 U
	11/30/10	ORIG	37	3.7	0.45	14	0.21	0.42 J	0.43	0.36	1.2	12	2.9	6.6	2.5	0.034 U	140 E	8.4	19	1.8	6.7	2.8	0.48 U
	01/26/11	ORIG	30	2.5	0.61	9.5	0.26	0.51 J	0.18	0.4	1.9	6.6	3.7	5.4	2.6	0.045 U	270 E	2.8	16	1.8	6.2	2.4	0.63 U
	02/28/11	ORIG	51	4.3	0.28	24 J	0.24	0.41	0.15 U	0.44	1.1 U	1.5	5	9.2	2.3	0.042 U	160 E	2	6.1	0.71	2.2	0.72	0.59 U
	03/30/11	ORIG	32	3	1.5 U	10 J	1.1 U	1.7 U	1.2 U	1.3 U	9.4 U	19	3.9	5.2	2.4	0.35 U	140	2.2 U	5.1	1.2 U	2.4 U	1.2 U	4.9 U
	04/29/11	ORIG	10	0.77	0.19 U	3.1	0.15	0.44 J	0.16 U	0.16	1.2 U	2.7 J	2.6 J	1.9	2.8	0.044 U	210 E	0.66	3.9	0.22	0.58	0.19	0.62 U
	05/31/11	ORIG	35	2.3	1.2	13	0.14 J	0.5 J	0.15 U	0.4	1.6	29	2.5	4.8	2.5	0.043 U	32	1.2	5.2	0.69	2.6	1.1 J	0.6 U
	06/29/11	ORIG	13	0.96	0.18 U	3.8	0.13 U	0.53	0.15 U	0.2	1.2 U	2.6 J	1.8	1.8	2.5	0.042 U	130 E	0.74	9.9	1.5	2.7	0.81	0.6 U
	07/27/11	ORIG	6.7	0.48	0.16 U	1.9	0.12 U	0.57 J	0.14 U	0.14 U	1.3	5.2 J	1.5	1.1	2.6	0.038 U	13	0.45	1.6	0.25	0.8	0.29	0.54 U
Warehouse																							
	07/01/10	ORIG	12	410	7.6 U	5.6 U	5.7 U	8.8 U	6.4 U	6.8 U	4.9 U	8.4 U	7.9 U	11 U	6.9 U	3.6 U	47	4.5 U	9.2	6.1 U	6.1 U	6.1 U	5 U
	08/27/10	ORIG	11	65	1.8 U	2	1.4 U	2.1 U	1.5 U	1.6 U	12 U	2 U	2.6	2.8	2.3	0.43 U	24	2.7 U	7.7	1.4 U	3.2	1.5	6 U
	11/30/10	ORIG	13	1.9	0.94	4.6	0.18	0.46 J	0.53	0.27	1.1 U	6.9	2.1	4.4	2.4	0.042 U	27	3	24	1.3	4.6	2	0.59 U
	01/26/11	ORIG	12	2.1	0.91	3.3	0.2	0.5 J	0.47	0.29	1.6	5.6	2.6	3.1	2.6	0.042 U	59	3	20	2	6.8	2.7	0.59 U
	02/28/11	ORIG	9.7	1.4	0.9	4 J	0.13	0.43	0.15	0.25	1 U	1	2.4	2.8	2.4	0.037 U	21	1.9	10	0.76	2.5	0.92	0.53 U
	03/30/11	ORIG	9.2	3.5	1.7 U	2.6 J	1.3 U	2 U	1.4 U	1.5 U	11 U	4.7	2.6	2.4 J	2.5	0.4 U	32	2.5 U	5.4	1.4 U	2.7 U	1.4 U	5.7 U
	04/29/11	ORIG	1.6	1.7	0.21	0.31	0.11 U	0.48 J	0.12 U	0.15	0.93 U	2.9 J	2 J	1.1	2.8	0.034 U	15	0.57	1.4	0.27	0.96	0.38	0.48 U
	05/31/11	ORIG	4.4	0.39	0.78	1.2	0.13 UJ	0.52 J	0.15 U	0.26	1.3	6	1.4	1.2	2.6	0.042 U	18	1.4	5.6	0.76	3	1.3 J	0.59 U
	06/29/11	ORIG	6.8	0.6	0.18 U	1.7	0.14 U	0.53	0.15 U	0.16 U	1.2 U	0.22 J	1.6	1.4	2.4	0.043 U	23	0.62	2.9	0.49	1.4	0.54	0.6 U
	07/27/11	ORIG	6.2	0.52	0.16 U	1.5	0.12 U	0.5 J	0.14 U	0.14 U	1.3	1.3 J	1.4	1.2	2.2	0.038 U	9.1	0.68	2.7	0.43	1.2	0.48	0.54 U

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Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
InterHealth Former MRI Building																							
Open Office																							
04/29/11 ORIG 0.2 U 0.15 U 0.16 U 0.057 U 0.15 0.44 0.13 U 0.17 2.9 0.17 UJ 20 0.61 2.7 0.037 U 16 0.66 4.8 0.31 0.56 0.18 0.52 U																							
Waiting Room T11033																							
04/29/11 SPLIT 0.23 0.095 0.11 U 0.04 U 0.081 U 0.55 0.092 U 0.12 0.69 U 0.12 J 24 J 0.63 18 J 0.026 U 10 J 0.65 2 J 0.35 J 1.1 J 0.44 0.36 U																							
04/29/11 ORIG 0.2 U 0.16 U 0.16 U 0.059 U 0.13 0.47 0.14 U 0.14 U 1 U 0.18 UJ 30 J 0.64 2.7 J 0.038 U 13 J 0.54 1.5 J 0.16 J 0.39 J 0.13 U 0.54 U																							
LA Carts																							
Admin Office																							
09/08/06 ORIG 0.24 1.2 0.15 U 0.06 0.11 U 0.5 0.12 U 0.14 5.2 0.16 1.5 0.7 2.6 0.034 U 74 E 1.6 10 1.2 4.5 1.7 0.48 U																							
03/31/10 ORIG 0.25 U 0.66 0.2 U 0.2 0.16 0.38 0.17 U 0.18 U 1.6 0.22 U 1 0.79 2 0.048 U 12 0.55 5.7 0.2 0.46 0.16 U 0.67 U																							
Large Production Room																							
09/08/06 ORIG 1.6 0.38 U 0.39 U 2.5 0.29 U 0.52 0.33 U 0.37 5.9 0.43 U 2.9 8.7 3.2 0.092 U 480 E 2.2 210 2 7.3 2.6 1.3 U																							
03/31/10 ORIG 0.25 0.28 0.18 U 0.74 0.13 U 0.38 0.15 U 0.16 U 1.1 U 0.2 U 1.2 1.4 2 0.042 U 15 0.55 43 0.35 0.94 0.23 0.59 U																							
Small Production Room																							
09/08/06 ORIG 1.1 U 0.88 U 0.89 U 3.6 0.66 U 1 U 0.76 U 0.8 U 5.7 U 0.99 U 3.2 14 2.9 0.21 U 1200 E 1.3 570 0.95 2.9 1 3 U																							
03/31/10 ORIG 0.24 J 0.2 U 0.2 U 0.79 0.15 U 0.38 0.17 U 0.18 U 1.3 U 0.22 U 1.3 1.5 2.1 0.047 U 13 0.58 52 0.22 0.4 0.16 U 0.66 U																							
Madsen Roofing																							
Office																							
07/23/08 ORIG 2.5 0.96 0.19 0.21 0.2 0.44 0.15 U 0.27 1.1 U 0.2 U 1.2 1 2.1 0.042 U 37 1.5 6.3 4.4 12 1.9 0.59 U																							
07/23/08 DUP 1.6 J 0.19 J 0.15 UJ 0.053 UJ 0.11 UJ 0.43 J 0.12 UJ 0.16 J 0.93 UJ 0.16 UJ 1.3 J 0.81 J 2.2 J 0.034 UJ 18 J 0.77 J 4 J 7.3 J 21 J 2.9 J 0.48 UJ																							
03/03/09 ORIG 2.3 0.37 0.18 U 0.26 0.13 U 0.53 0.15 U 0.17 1.1 U 0.2 U 2.5 0.96 2.5 0.042 U 23 1.7 9.5 1.3 4.7 1.7 0.59 U																							
03/31/10 ORIG 5 0.53 0.2 U 0.78 0.16 0.42 0.17 U 0.36 1.3 U 0.22 U 1.3 1.7 2.1 0.048 U 32 2.6 8.3 0.95 3 1.1 0.67 U																							
09/29/10 ORIG 0.51 0.19 U 0.2 U 0.16 0.14 U 0.44 0.16 U 0.18 1.6 0.22 U 2 0.84 2.9 0.046 U 30 5.4 10 1.4 4.2 1.4 0.64 U																							
03/30/11 ORIG 0.47 0.15 U 0.16 U 0.46 J 0.18 0.44 0.13 U 0.18 2.5 0.17 U 1.9 0.8 2.5 0.037 U 40 7.6 14 1.8 6.3 2.7 J 0.52 U																							
Warehouse																							
07/23/08 ORIG 1.6 0.28 0.19 U 0.069 U 0.14 U 0.44 0.16 U 0.17 U 1.2 U 0.21 U 1.3 0.81 2.4 0.045 U 18 0.94 4.2 13 37 4.9 0.63 U																							
07/23/08 EPA 6.1 U 4.83 U 4.91 U 3.57 U 3.64 U 5.66 U 4.14 U 4.39 U 23.95 5.41 U 5.06 U 6.9 U 4.45 U 2.3 U -- 2.87 U 3.39 U 3.91 U 7.38 U 3.91 U --																							
Medlin & Son																							
Front office area																							
05/11/04 ORIG 4.3 2.7 0.46 U 5.1 0.34 U 0.67 0.39 U 0.42 U 3.9 0.95 8.7 40 2.6 J 0.11 U 3400 E 1 5.3 0.79 2.2 0.87 1.5 U																							
09/14/05 ORIG 22 14 0.18 U 10 0.13 U 0.84 0.15 U 0.27 1.7 0.2 12 34 1.8 0.041 U 530 E 1 7.4 0.72 2.5 0.9 0.58 U																							
03/03/09 ORIG 17 6.6 0.36 U 4.4 0.27 U 0.52 0.31 U 0.33 U 34 0.49 4.8 9.8 2.5 0.086 U 3800 E 1.7 8.8 3.8 7.5 2.2 1.2 U																							
03/03/09 EPA 13.6 U 10.7 U 10.9 U 7.9 U 8.1 U 12.6 U 9.2 U 9.8 U 6.9 U 12 U 11.2 U 15.3 U 9.9 U 5.1 U -- 6.4 U 10.2 8.7 U 17.8 U 8.7 U --																							
03/31/10 ORIG 23 10 0.18 U 4.3 0.17 0.37 0.15 U 0.16 U 2.3 0.19 U 3 8.9 2.2 0.041 U 170 E 0.54 2.3 3.8 15 3.7 0.58 U																							
09/29/10 ORIG 0.88 0.34 0.18 U 0.57 0.13 U 0.42 0.15 U 0.21 1.8 0.2 U 2.1 1.5 2.7 0.042 U 390 E 1.7 5.2 1.7 4 1.5 0.59 U																							

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Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	03/30/11	SPLIT	2.3 J	0.74 J	0.11 U	0.4 J	0.098	0.56	0.092 U	0.32 J	5.2	0.22	1.6	0.92	2.7	0.026 U	52	1.8 J	6.5 J	1.8 J	5.3 J	2.2 J	0.36 U
	03/30/11	ORIG	1.6 J	0.59 J	0.18 U	0.93 J	0.13 U	0.5	0.15 U	0.23 J	4.9	0.24	1.7	1	2.6	0.041 U	60	1.3 J	5.2 J	0.95 J	3.2 J	1.3 J	0.58 U
Production area																							
	05/11/04	ORIG	6.2	2.6	0.21	6.6	0.14 U	0.8	0.16 U	0.2	5.1	0.21 U	8.9	36	3.3	0.044 U	39	1.1	7.3	0.85	2.7	1	0.63 U
	09/14/05	ORIG	4.6	2.3	0.2 U	2.9	0.15 U	1.3	0.17 U	0.32	1.3 U	0.22 U	5.4	17	1.2	0.047 U	22	0.91	4.8	0.79	2.7	0.98	0.66 U
	03/03/09	ORIG	2.3	0.9	0.19 U	0.89	0.14 U	0.5	0.16 U	0.17 U	36	0.21 U	2.6	2.8	2.3	0.045 U	41	1.1	6.2	2	4.2	1.3	0.63 U
	03/31/10	ORIG	10	4.8	0.6 U	3.5	0.44 U	0.69 U	0.5 U	0.53 U	5.1	0.66 U	3.1	9.4	2.3	0.14 U	280 E	0.87 U	1.6	7.1	26	5.8	2 U
	09/29/10	ORIG	0.8	0.24	0.19 U	0.88	0.14 U	0.43	0.16 U	0.21	1.7	0.21 U	2.3	2.3	2.9	0.045 U	180 E	1.6	4.7	2.5	5.8	2.5	0.63 U
	03/30/11	ORIG	0.62	0.19	0.16 U	0.18 J	0.14	0.48	0.14 U	0.18	5.8	0.18 U	1.6	1	2.8	0.039 U	22	1.5	6	1.3	4.5	1.6 J	0.55 U
Medlin North																							
Building Interior																							
	09/08/06	ORIG	1.6 U	1.3 U	1.3 U	0.47 U	0.96 U	1.5 U	1.1 U	1.2 U	8.3 U	1.4 U	1.6	1.9	2.6	0.3 U	430	1.9 U	2.8	1 U	2.1 U	1 U	4.3 U
	10/07/10	ORIG	0.28	0.18 U	0.19 U	0.22	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.2 U	1.8	0.96	2.5	0.044 U	21	0.81	2.3	0.32	0.84	0.29	0.62 U
	03/30/11	ORIG	0.38	0.19 U	0.19 U	0.069 U	0.14 U	0.48	0.16 U	0.17	1.4	0.21 U	1.6	0.82	2.7	0.045 U	21	1.4	4.4	0.53	1.5	0.54	0.63 U
Regional Occupational Program																							
Classroom (Room 104)																							
	03/31/10	ORIG	2	0.32	0.2 U	0.63	0.16	0.38	0.16 U	0.17 U	1.2 U	0.22 U	1.1	0.84	2.1	0.046 U	69	0.48	0.99	0.16	0.33	0.16 U	0.64 U
	05/27/10	ORIG	0.25	0.37	0.16 U	0.058 U	0.12 U	0.8	0.13 U	0.14 U	4.9	0.18 U	1.8	0.81 J	2.8	0.037 U	18	0.69	4.4	0.61	1.6	0.46	0.53 U
	07/01/10	ORIG	0.22 J	0.49	0.18 U	0.067 U	0.14 U	0.39	0.15 U	0.18	4	0.2 U	1.8	0.61	2.6	0.043 U	52	0.94	2.8	0.26	1.8	0.29	0.6 U
	07/28/10	ORIG	0.26	0.19	0.18 U	0.064 U	0.13 U	0.37	0.15 U	0.16 U	1.1 U	0.19 U	1.2	0.5	2	0.041 U	26	0.54	1.8	0.33	0.75	0.3	0.58 U
	08/27/10	ORIG	0.79	0.18 U	0.18 U	0.24	0.13 U	0.43	0.15 U	0.16 U	1.1 U	0.2 U	1.6	0.61	2.2	0.042 U	23	1.2	2.6	0.32	0.74	0.32	0.59 U
	10/07/10	ORIG	0.86	0.18 U	0.18 U	0.77	0.13 U	0.44	0.15 U	0.16 U	1.1 U	0.2 U	1.8	1.1	2.6	0.042 U	18	0.75	2.2	0.27	0.71	0.35	0.59 U
	10/27/10	ORIG	0.45	0.17 U	0.18 U	0.12	0.13 U	0.45	0.15 U	0.16 U	1.1 U	0.19 U	1.3	0.81	2.6	0.041 U	12	0.7	1.8	0.25	0.72	0.3	0.58 U
	11/30/10	ORIG	0.98	0.18 U	0.18 U	0.2	0.13 U	0.46 J	0.15 U	0.16 U	1.1 U	0.2 U	1.1	0.6	2.5	0.042 U	15	1.3	3.9	0.61	1.7	0.55	0.59 U
	12/28/10	ORIG	8.8	0.39	0.15 U	1.7	0.17	0.5 J	0.12 U	0.2	0.93 U	0.16 U	1.8	1.7	2.7	0.034 U	12	4.6	12	1.6	5.4	1.5	0.48 U
	01/26/11	ORIG	2	0.2	0.18 U	0.3	0.21	0.48 J	0.15 U	0.2	1.9	0.19 U	1.4	0.96	2.6	0.041 U	710 E	2.9	8.1	1.2	3.7	1.1	0.58 U
	02/28/11	ORIG	0.85	0.18 U	0.18 U	0.22 J	0.13 U	0.41	0.15 U	0.16 U	1.1 U	0.2 U	1.6	0.67	2.4	0.042 U	9.3	1.2	2.7	0.43	1.4	0.47	0.59 U
	03/30/11	ORIG	0.88	0.18 U	0.18 U	0.18 J	0.15	0.47	0.15 U	0.18	1.4	0.2 U	1.5	0.62	2.5	0.043 U	52	1.2	3.9	0.53	1.5	0.49	0.6 U
	04/29/11	ORIG	1.1	0.17 U	0.18 U	0.22	0.17	0.47 J	0.15 U	0.17	6.3	0.19 J	2 J	0.9	2.9	0.041 U	29	0.58	4	0.45	1.1	0.29	0.58 U
	05/31/11	ORIG	0.91	0.19 U	0.19 U	0.15	0.14 U	0.52 J	0.16 U	0.22	1.2 U	0.21 U	1.1	0.7	2.5	0.045 U	17	1.2	4.1	0.55	1.7	0.59 J	0.63 U
	06/29/11	ORIG	0.67	0.18 U	0.18 U	0.096	0.13 U	0.52	0.15 U	0.16 U	1.2 U	0.2 U	1.2	0.61	2.5	0.042 U	18	0.61	1.9	0.32	0.93	0.34	0.6 U
	07/27/11	ORIG	0.56	0.18 U	0.18 U	0.091	0.14 U	0.5 J	0.15 U	0.16 U	1.2 U	0.2 U	1.2	0.56	2.2	0.043 U	14	0.33	1.2	0.19	0.55	0.2	0.6 U
Dental Annex (Classroom)																							
	05/27/10	ORIG	17	1.6	0.2 U	12	0.15 U	0.53	0.17 U	0.84	1.3 U	0.22 U	3.5	7.1	2.9	0.047 U	32	0.56	2	0.46	1.1	0.34	0.66 U
	07/01/10	ORIG	0.39	0.24	0.17 U	0.063 U	0.13 U	0.37	0.14 U	0.33	1.1	0.19 U	1.5	0.54	2.5	0.04 U	37	0.92	2.7	0.25	0.58	0.21	0.57 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	08/27/10	ORIG	1	0.18 U	0.18 U	0.16	0.14 U	0.37	0.15 U	0.25	1.2 U	0.2 U	1.5 J	0.59	2.2	0.043 U	18	0.89	2.7	0.34	0.85	0.28	0.6 U
	10/07/10	ORIG	1	0.18 U	0.18 U	0.42	0.14 U	0.42	0.15 U	0.32	1.2 U	0.2 U	1.8	0.8	2.5	0.043 U	190 E	0.79	2.6	0.32	0.82	0.28	0.6 U
	10/27/10	ORIG	1.1	0.17 U	0.18 U	0.27	0.13 U	0.44	0.15 U	0.35	1.1 U	0.19 U	1.8	1.1	2.5	0.041 U	52	0.97	2.6	0.39	1.1	0.49	0.58 U
	11/30/10	ORIG	0.85	0.19	0.16 U	0.13	0.16	0.47 J	0.14 U	0.27	4.6	0.18 U	1.4	0.6	2.5	0.039 U	51	1.6	9.7	1.4	3.6	1.1	0.55 U
	12/28/10	ORIG	2.6	0.2	0.15 U	0.44	0.22	0.52 J	0.12 U	0.45	0.94 U	0.16 U	1.6	0.85	2.6	0.035 U	16	3.2	8.1	1	3.3	1.1	0.49 U
	01/26/11	ORIG	2.4	0.19	0.18 U	0.34	0.19	0.5 J	0.15 U	0.34	1.9	0.19 U	1.7	1.1	2.6	0.041 U	24	3	8.7	1.2	3.7	1.1	0.58 U
	02/28/11	ORIG	0.8	0.18 U	0.18 U	0.15 J	0.14	0.42	0.15 U	0.21	1.2 U	0.2 U	1.5	0.62	2.3	0.043 U	21	1.4	3.3	0.53	1.6	0.57	0.6 U
	03/30/11	ORIG	0.95	0.19 U	0.2 U	0.12 J	0.15	0.42	0.16 U	0.4	1.8	0.22 U	1.5	0.54	2.4	0.046 U	29	1.9	5.2	0.7	1.8	0.65 J	0.64 U
	04/29/11	ORIG	1.6	0.18 U	0.18 U	0.21	0.18	0.46 J	0.15 U	0.33	1.1 U	0.2 J	2 J	0.85	2.9	0.042 U	100 E	0.5	1.4	0.21	0.51	0.2	0.59 U
	05/31/11	ORIG	0.5	0.18 U	0.18 U	0.14	0.2 J	0.49 J	0.15 U	0.37	1.8	0.2 U	1.1	0.66	2.6	0.043 U	23	1	2.8	0.17	0.5	0.16 J	0.6 U
	06/29/11	ORIG	0.88	0.18 U	0.18 U	0.096	0.13 U	0.52	0.15 U	0.46	1.1 U	0.2 UJ	1.2	0.59	2.4	0.042 U	54	0.6	2.3	0.38	1.1	0.42	0.59 U
	07/27/11	ORIG	1.4	0.17 U	0.17 U	0.18	0.12 U	0.52 J	0.14 U	0.49	1.1 U	0.19 UJ	1.3	0.6	2.5	0.04 U	12	0.31	1	0.19	0.59	0.21	0.56 U
Dental Annex (Lobby/Computer Area)																							
	05/27/10	ORIG	20	1.9	0.19 U	13	0.14 U	0.54	0.16 U	0.82	1.2 U	0.21 U	3.3	6.4	2.8	0.045 U	42	0.54	2	0.52	1.3	0.44	0.63 U
	07/01/10	ORIG	0.34	0.28	0.17 U	0.063 U	0.13 U	0.39	0.14 U	0.23	1.1 J	0.19 U	1.7	0.56	2.6	0.04 U	41	0.91	2.6	0.26	0.6	0.19	0.57 U
	07/28/10	ORIG	0.34	0.31	0.18 U	0.067 U	0.14 U	0.49	0.15 U	0.16 U	1.2 U	0.2 U	1.3	0.52	2.1	0.043 U	17	0.61	1.8	0.5	1.2	0.36	0.6 U
	08/27/10	ORIG	0.8	0.18 U	0.18 U	0.13	0.14 U	0.39	0.15 U	0.23	1.2 U	0.2 U	1.1 J	0.58	2.1	0.043 U	18	0.91	2.7	0.35	0.83	0.31	0.6 U
	10/07/10	ORIG	0.89	0.18 U	0.18 U	0.28	0.14 U	0.44	0.15 U	0.2	1.2 U	0.2 U	1.8	0.72	2.7	0.043 U	200 E	0.8	2.4	0.29	0.75	0.25	0.6 U
	10/27/10	ORIG	0.99	0.17 U	0.18 U	0.24	0.13 U	0.44	0.15 U	0.21	1.1 U	0.19 U	1.8	1	2.6	0.041 U	32	0.88	2.2	0.32	0.91	0.29	0.58 U
	11/30/10	ORIG	1.1	0.17 U	0.17 U	0.17	0.21	0.42 J	0.14 U	0.41	1.7	0.19 U	1.5	0.65	2.7	0.04 U	150 E	1.9	7.9	1.2	3.4	1.2	0.56 U
	12/28/10	ORIG	2.6	0.2	0.15 U	0.47	0.17	0.5 J	0.12 U	0.39	0.93 U	0.16 U	1.6	0.9	2.6	0.034 U	17	3.2	8	1	3.1	0.99	0.48 U
	01/26/11	ORIG	2	0.18 U	0.18 U	0.27	0.2	0.47 J	0.15 U	0.23	1.7	0.2 U	1.3	0.93	2.6	0.043 U	25	2.8	8.6	1.1	3.6	1	0.6 U
	02/28/11	ORIG	0.66	0.19 U	0.2 U	0.12 J	0.15	0.36	0.16 U	0.18	2.4	0.22 U	1.6	0.6	2.4	0.046 U	42	1.3	5.8	1.2	4	1.2	0.64 U
	03/30/11	ORIG	0.97	0.18 U	0.19 U	0.23 J	0.14 U	0.45	0.16 U	0.31	1.5	0.23	1.6	0.61	2.4	0.044 U	29	1.9	5.3	0.68	1.8	0.62 J	0.62 U
	04/29/11	ORIG	1.5	0.18 U	0.19 U	0.17	0.15	0.47 J	0.16 U	0.43	1.2 U	0.2 J	2.2 J	0.83	3	0.044 U	200 E	0.54	1.4	0.32	0.83	0.25	0.62 U
	05/31/11	ORIG	1.1	0.19 U	0.2 U	0.14	0.14 UJ	0.56 J	0.16 U	0.32	1.2 U	0.22 U	1.3	0.7	2.7	0.046 U	17	1.2	4.2	1	3.1	0.96 J	0.64 U
	06/29/11	ORIG	0.89	0.17 U	0.17 U	0.1	0.13 U	0.57	0.15 U	0.2	1.1 U	0.19 UJ	1.2	0.57	2.4	0.041 U	53	0.62	1.9	0.37	1.2	0.54	0.58 U
	07/27/11	ORIG	0.83	0.18 U	0.18 U	0.098	0.13 U	0.5 J	0.15 U	0.18	1.1 U	0.2 UJ	1.2	0.54	2.4	0.042 U	11	0.35	1.1	0.2	0.63	0.23	0.59 U
Office (Room 108)																							
	05/27/10	ORIG	5.8	0.72	0.19 U	2.7	0.14 U	0.57	0.16 U	0.17 U	2.5	0.21 U	2	1.4	2.8	0.045 U	200 E	0.58	2.3	0.32	0.68	0.24	0.63 U
	07/01/10	ORIG	0.64	0.18	0.18 U	0.27	0.14 U	0.39	0.15 U	0.19	2.1	0.21	1.7	0.62	2.7	0.043 U	56	0.86	3	0.26	0.55	0.26	0.6 U
	07/28/10	ORIG	0.53	0.27	0.19 U	0.069 U	0.15	0.4	0.16 U	0.17 U	2.4	0.21 U	1.2	0.56	2.2	0.045 U	23	0.64	13	0.79	1.8	0.54	0.63 U
	08/27/10	ORIG	1	0.14 U	0.15 U	0.29	0.11 U	0.41	0.12 U	0.19	1.8	0.16 U	1.5	0.62	2.2	0.034 U	17	1.1	3.4	0.41	1	0.44	0.48 U
	10/07/10	ORIG	1.1	0.18 U	0.19 U	0.74	0.14 U	0.44	0.16 U	0.17 U	1.4	0.2 U	1.8	1.1	2.6	0.044 U	71	0.94	3.2	0.4	1	0.46	0.62 U
	10/27/10	ORIG	1.3	0.18 U	0.18 U	0.35	0.13 U	0.41	0.15 U	0.21	2.9	0.2 U	1.9	1.5	2.6	0.042 U	33	1.6	5	0.65	1.9	0.63	0.59 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	11/30/10	ORIG	1.6	0.17 U	0.18 U	0.32	0.18	0.46 J	0.15 U	0.16 U	2.8	0.19 U	1.4	0.66	2.5	0.041 U	28	1.9	5.8	0.77	2.4	0.78	0.58 U
	12/28/10	ORIG	3.7	0.24	0.16 U	0.72	0.21	0.56 J	0.14 U	0.58	4	0.33	1.7	1	2.7	0.039 U	21	2.7	8.3	0.96	2.9	1	0.55 U
	01/26/11	ORIG	3.3	0.24	0.2 U	0.61	0.19	0.49 J	0.16 U	0.22	5.6	0.22 U	1.5	1.3	2.7	0.046 U	120 E	2.9	8.9	1.2	3.5	1	0.64 U
	02/28/11	ORIG	2	0.19	0.18 U	0.5 J	0.13 U	0.4	0.15 U	0.18	8.1	0.32	1.5	0.85	2.3	0.041 U	24	1.8	5.1	0.75	2.4	0.82	0.58 U
	03/30/11	ORIG	1.7	0.42 U	0.42 U	0.49 J	0.31 U	0.5	0.36 U	0.38 U	4.6	0.47 U	1.6	1.3	2.5	0.099 U	73	1.2	4.8	0.97	2.6	0.68	1.4 U
	04/29/11	ORIG	1.1	0.17 U	0.17 U	0.21	0.12 U	0.46 J	0.14 U	0.15 U	1.1 U	0.19 J	2 J	0.83	2.9	0.04 U	16	0.51	1.1	0.15	0.37	0.13 U	0.56 U
	05/31/11	ORIG	2.2	0.19 U	0.2 U	0.49	0.14 UJ	0.49 J	0.16 U	0.24	7.3	0.3	1.3	1	2.6	0.046 U	28	1.2	4.6	0.8	2.4	0.73 J	0.64 U
	06/29/11	ORIG	1	0.18 U	0.18 U	0.16	0.13 U	0.53	0.15 U	0.16 U	3.4	0.2 UJ	1.2	0.64	2.4	0.042 U	28	0.58	2.2	0.49	1.4	0.52	0.6 U
	07/27/11	ORIG	0.46	0.17 U	0.17 U	0.074	0.13 U	0.51 J	0.14 U	0.15 U	2.2	0.19 UJ	1.3	0.6	2.5	0.04 U	18	0.34	2.3	0.35	0.86	0.3	0.57 U
Office (Room 207)																							
	03/31/10	ORIG	58	3.5	0.16 U	29	0.2	0.43	0.13 U	0.27	47	0.17 U	6	11	2.3	0.037 U	78 E	0.72	6.7	0.99	2.7	0.84	0.52 U
	05/27/10	ORIG	25 J	1.3	0.15 U	13 J	0.12	0.52	0.12 U	0.13 U	4.1 J	0.16 U	2.7	3.6 J	2.7	0.034 U	36 J	0.49	2	0.34	0.78	0.27	0.48 U
	05/27/10	DUP	20 J	1.4	0.19 U	9.5 J	0.14 U	0.51	0.16 U	0.17	5.8 J	0.2 U	2.5	2.9 J	2.7	0.044 U	180 E	0.55	2.4	0.39	0.87	0.28	0.62 U
	07/01/10	ORIG	2	0.26	0.19 U	0.57	0.14 U	0.4	0.16 U	0.22	8.6	0.21 J	1.9	0.75	2.8	0.045 U	41	0.95	3.7	0.36	0.85	0.27	0.63 U
	07/28/10	SPLIT	1.4	0.3	0.11 U	0.18	0.081 U	0.65	0.092 U	0.23	7.5	0.2	1.6	0.68	2.8	0.026 U	9.7	0.95	15	2.3	6.1	2.2	0.36 U
	07/28/10	ORIG	1.2	0.18	0.18 U	0.13	0.13	0.47	0.15 U	0.16 U	5.4	0.19 U	1.2	0.5	2.1	0.041 U	29	0.62	2.6	0.96	2.2	0.58	0.58 U
	08/27/10	SPLIT	1.5 J	0.13	0.1 J	0.19 J	0.13	0.45	0.14	0.22	29 J	0.49	0.06 U	0.08 U	0.05 U	0.01 U	1.2 UJ	1.4 J	14 J	0.04 U	4.3 J	1.4 J	0.07 U
	08/27/10	ORIG	0.94 J	0.18 U	0.18 U	0.24 J	0.14 U	0.4	0.15 U	0.18	2.9 J	0.2 U	1.7	0.66	2.3	0.043 U	21 J	0.93 J	3.4 J	0.4	0.97 J	0.3 J	0.6 U
	10/07/10	ORIG	1.2	0.18 U	0.18 U	0.38	0.13	0.44	0.15 U	0.2	3.6	0.2 U	1.9	0.77	2.6	0.042 U	49	1	3.7	0.47	1.2	0.42	0.59 U
	10/27/10	SPLIT	1.7	0.11	0.11 U	0.3 J	0.11	0.44	0.092 U	0.17	5.4 J	0.16	1.4 J	1.2 J	2.5	0.026 U	19 J	1.2 J	14 J	1.2 J	3.8 J	1.4 J	0.36 U
	10/27/10	ORIG	1.4	0.17 U	0.18 U	0.41 J	0.13 U	0.45	0.15 U	0.18	7.2 J	0.19 U	2 J	1.6 J	2.7	0.041 U	34 J	1.6 J	6.2 J	0.67 J	1.9 J	0.62 J	0.58 U
	11/30/10	SPLIT	1.8 J	0.2	0.11 U	0.33 J	0.12	0.51 J	0.092 U	0.18	7.4 J	0.17	1.5 J	0.75 J	2.8 J	0.026 U	20 J	1.9 J	9.7 J	0.94 J	3.4 J	1.1 J	0.36 U
	11/30/10	ORIG	0.91 J	0.16 U	0.16 U	0.17 J	0.12	0.25 J	0.14 U	0.14 U	3.5 J	0.18 U	0.75 J	0.38 J	1.3 J	0.038 U	13 J	1 J	4.1 J	0.44 J	1.4 J	0.44 J	0.54 U
	12/28/10	SPLIT	8.2 J	0.41 J	0.11 U	1.5 J	0.1 J	0.57	0.092 U	0.28	5.8 J	0.6 J	1.7	1.5 J	2.7	0.026 U	24	3.3	13 J	2.3 J	8.2 J	3 J	0.36 U
	12/28/10	ORIG	4.2 J	0.25 J	0.15 U	0.82 J	0.19 J	0.5 J	0.13 U	0.2	7.5 J	0.28 J	1.7	1.1 J	2.7	0.036 U	27	3.1	10 J	1.1 J	3.4 J	1 J	0.5 U
	01/26/11	SPLIT	4.3	0.3	0.11 U	0.69	0.11	0.58 J	0.092 U	0.26 J	8.2	0.35 J	1.6	1.4	2.5	0.026 U	99	2.7 J	10 J	2.1 J	7 J	2.5 J	0.36 U
	01/26/11	ORIG	4.6	0.27	0.15 U	0.75	0.16	0.43 J	0.12 U	0.39 J	8.3	0.17 J	1.9	1.5	2.9	0.035 U	92 E	3.4 J	19 J	1.5 J	4.7 J	1.3 J	0.49 U
	02/28/11	SPLIT	2.3	0.24 J	0.33 U	0.38 J	0.24 U	0.42	0.28 U	0.29 U	12	0.44	0.9 J	0.84	2 J	0.077 U	40 J	1.7	6	0.83	2.6	0.99 J	1.1 U
	02/28/11	ORIG	2	0.18 J	0.18 U	0.54 J	0.15	0.4	0.15 U	0.18	13	0.26	1.6 J	0.88	2.5 J	0.043 U	26 J	1.7	5.6	0.78	2.4	0.8 J	0.6 U
	03/30/11	SPLIT	3.1 J	0.23	0.11 U	0.5 J	0.13	0.57	0.092 U	0.3 J	8	0.34	1.6	1	2.8	0.026 U	53	1.6 J	6.5	1.9 J	5.4 J	1.6 J	0.36 U
	03/30/11	ORIG	2.3 J	0.18	0.18 U	0.45 J	0.14 U	0.48	0.15 U	0.21 J	7.1	0.2 U	1.5	0.87	2.5	0.043 U	46	1.2 J	5.4	1 J	3 J	0.76 J	0.6 U
	04/29/11	SPLIT	1 J	0.084	0.11 U	0.17	0.11	0.55	0.092 U	0.14	8.2	0.17 J	1 J	0.87	2.6	0.026 U	37 J	0.66 J	9.3 J	0.91 J	2.7 J	0.82 J	0.36 U
	04/29/11	ORIG	0.76 J	0.18 U	0.18 U	0.18	0.16	0.46 J	0.15 U	0.16 U	9.2	0.2 J	2 J	0.81	2.9	0.042 U	27 J	0.54 J	6.9 J	0.42 J	1 J	0.24 J	0.59 U
	05/31/11	SPLIT	2.9	0.2	0.11 U	0.44 J	0.12	0.6	0.092 U	0.35 J	14	0.52 J	1.2	1.1	2.6	0.026 U	22 J	1.5 J	5.9	1.4 J	4.4 J	1.5 J	0.36 U
	05/31/11	ORIG	2.5	0.18 U	0.19 U	0.59 J	0.14 UJ	0.51 J	0.16 U	0.25 J	12	0.36 J	1.3	1.1	2.5	0.044 U	27 J	1.2 J	5.1	0.84 J	2.6 J	0.78 J	0.62 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	06/29/11	Split	2.5 J	0.16	0.11 U	0.3	0.12	0.66 J	0.092 U	0.14 J	8.1	0.22	1.4	0.85	0.099 U	0.026 U	37 J	0.64	5.8 J	2.2 J	5.4 J	2.5 J	0.36 U
	06/29/11	ORIG	1.9 J	0.17 U	0.18 U	0.3	0.13 U	0.52 J	0.15 U	0.32 J	7.9	0.19 UJ	1.3	0.78	2.4	0.041 U	29 J	0.6	2.7 J	0.56 J	1.6 J	0.52 J	0.58 U
	07/27/11	SPLIT	0.64	0.071	0.11 U	0.11	0.41	0.58	0.092 U	0.13	4	0.25	1.3	0.78	2.8	0.026 U	20	0.43	9 J	1.3 J	3 J	1.3 J	0.36 U
	07/27/11	ORIG	0.56	0.16 U	0.16 U	0.1	0.12 U	0.58 J	0.14 U	0.15 U	3.9	0.18 UJ	1.4	0.67	2.6	0.039 U	22	0.32	1.8 J	0.39 J	1 J	0.39 J	0.55 U
Star City Auto Body																							
Main work area																							
	05/11/04	ORIG	16	3.5	0.74 U	17	0.55 U	0.86 U	0.63 U	0.67 U	4.7 U	0.82 U	13	30	2.3	0.17 U	1100 E	2.6	420	8.6	46	13	2.5 U
	05/11/04	DUP	17	3.6	0.74 U	18	0.55 U	0.86 U	0.63 U	0.67 U	4.8	0.82 U	14	31	2.7	0.17 U	1200 E	3.2	440	9.2	49	14	2.5 U
	09/14/05	ORIG	34	6.5	0.33	16	0.15 U	0.67	0.17 U	0.19	1.5	0.22 U	11	18	1.9	0.047 U	350 E	5.3	38	4.6	21	5.1	0.66 U
	09/14/05	DUP	33	5.5	0.32	16	0.14 U	0.66	0.16 U	0.19	1.5	0.21 U	11	17	2.1	0.045 U	330 E	5	36	4.8	22	5.4	0.63 U
	03/03/09	ORIG	4.2	0.89	0.18 U	0.45	0.13 U	0.49	0.15 U	0.16	1.2	0.19 U	1.8	0.86	2.5	0.041 U	980 E	4.2	25	5.4	19	5.4	0.58 U
	03/31/10	ORIG	12	1.2	0.33	0.87	0.16	0.41	0.15 U	0.22	1.1 U	0.19 U	1.1	1.2	2	0.041 U	290 E	1.5	9.5	1.3	5.2	1.3	0.58 U
	10/07/10	ORIG	0.67	0.35 U	0.53	0.49	0.26 U	0.62	0.3 U	0.32 U	2.3 U	0.39 U	1.9	1.4	2.4	0.084 U	900 E	1.7	18	1.6	5.1	1.7	1.2 U
	03/30/11	ORIG	1.2 U	0.98 U	1 U	0.36 U	0.74 U	1.2 U	0.84 U	0.89 U	6.4 U	1.1 U	1.7	1.4 U	2.8	0.23 U	1000 E	3.4	33	2.1	6.8	2.3 J	3.3 U
Rear area of shop																							
	05/11/04	ORIG	6	3.9 U	4 U	1.6	2.9 U	4.6 U	3.4 U	3.6 U	25 U	4.4 U	4.1 U	5.6 J	3.6 U	0.93 U	5400 E	5.8 U	2400	48	270	78	13 U
	09/14/05	ORIG	23 U	18 U	18 U	6.7 U	14 U	21 U	15 U	16 U	120 U	20 U	19 U	26 U	17 U	4.3 U	6000	27 U	74	14 U	29 U	14 U	60 U
	03/03/09	ORIG	2.9	0.36 U	0.37 U	0.22	0.27 U	0.51	0.59	0.33 U	2.9	0.4 U	1.7	1.1	2.4	0.086 U	5700 E	2.9	120	17	59	14	1.2
	03/31/10	ORIG	14	0.69	0.88	0.83	0.35 U	0.54 U	0.39 U	0.42 U	3 U	0.51 U	1.3	2.2	2	0.11 U	1100 E	1	140	7.8	35	9.1	1.5 U
	10/07/10	ORIG	0.81	0.18 U	0.29	0.45	0.13 U	0.43	0.15 U	0.18	1.1 J	0.2 U	1.8	1.2	2.4	0.042 U	2400 E	2.4	32	3.1	11	2.7	0.59 U
	03/30/11	ORIG	1 U	0.83 U	0.84 U	0.31 U	0.63 U	0.98 U	0.71 U	0.76 U	5.4 U	0.93 U	1.7	1.2 U	2.3	0.2 U	1100 E	3.2	39	2.5	8.3	2.8 J	2.8 U
Side Office																							
	03/31/10	ORIG	7	0.85	0.35	0.39	0.14 U	0.39	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.96	2.1	0.043 U	270 E	1.4	9.7	0.98	3.4	1	0.6 U
	10/07/10	ORIG	0.48	0.18 U	0.24	0.27	0.14 U	0.43	0.16 U	0.17	1.2 U	0.2 U	1.9	1.1	2.6	0.044 U	350 E	1	9.9	0.81	2.3	0.77	0.62 U
	03/30/11	ORIG	0.33	0.19 U	0.19 U	0.069 U	0.16	0.5	0.16 U	0.18	1.5	0.21 U	1.6	0.65	2.5	0.045 U	470 E	2	19	1.1	3.6	1.4 J	0.63 U
Terra Pave																							
First floor office area																							
	05/11/04	ORIG	110	4.4	0.45	23	0.15 U	0.56	0.17 U	0.24	1.5	0.23	7	26	2.9	0.046 U	41	1.3	10	1.6	5.4	2.1	0.66 U
	09/14/05	ORIG	39	1.6	0.17 U	5.5	0.13 U	0.67	0.14 U	0.21	1.2	0.27	3.4	6.3	2	0.04 U	22	1.1	6.9	0.93	3.5	1	0.57 U
	07/23/08	ORIG	130	5.8	0.19 U	12	0.14 U	0.43	0.16 U	0.4	1.4	0.21 U	3	9	2.3	0.045 U	40	0.84	7.4	0.87	3	1.1	0.63 U
	03/03/09	ORIG	420	18	0.66	56	2.9	0.58	0.39 U	3.3 J	3 U	0.51 U	13	53	2.4	0.11 U	140	1.8	68	1.6	5.3	2.3	1.5 U
	03/03/09	EPA	535.7	19.9	14.2 U	59.4	10.5 U	16.4 U	12 U	12.7 U	9 U	15.6 U	13.5 J	54.4	12.9 U	6.6 U	--	8.3 U	71.6	11.3 U	22.2 U	11.3 U	--
	03/03/09	DUP	420	16	0.46 U	55	0.34 U	0.54	0.39 U	0.73 J	2.9 U	0.5 U	13	50	2.4	0.11 U	140	1.8	68	1.5	5.3	2.2	1.5 U
	07/16/09	SPLIT	52	2.4	0.11 U	4	0.081 U	0.43	0.092 U	0.33	1.3	0.14	1.6	1.6	0.098 U	0.026 U	130	1.7	120	1.1	1.7	1.3	0.35 U
	07/16/09	ORIG	45	2.1	0.4 U	2.4	0.3 U	0.54	0.34 U	0.36 U	2.5 U	0.44 U	1.8	1.5	2.4	0.094 U	230 E	1.6	120	0.69	1.9	0.68	1.3 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/16/09	DUP	47	2.1	0.21 U	2.6	0.15 U	0.57	0.18 U	0.3	1.3	0.23 U	1.7	1.5	2.4	0.049 U	220 E	1.7	110	0.67	1.9	0.72	0.69 U
	08/25/09	ORIG	23	1.2	0.25 U	1 J	0.19 U	0.52	0.21 U	0.4 J	1.6 U	0.28 U	1.6	1.3	2.6	0.059 U	54 J	1.8 J	17	0.73 J	1.9 J	0.62 J	0.83 U
	08/25/09	DUP	20	1.3	0.2 U	1.5 J	0.15 U	0.57	0.84 U	0.32 J	1.6	1.1 U	1.9	1.5	2.6	0.047 U	78 J	2.3 J	18	0.9 J	2.6 J	1 J	0.66 U
	09/30/09	SPLIT	20	0.91	0.065 J	0.79	0.069	0.63	0.046 J	0.21	56 J	0.09 J	1.4	0.92 J	--	0.046	--	1.5	19	7.4	37	15	--
	09/30/09	ORIG	17 J	0.96	0.2 U	0.74	0.15 U	0.61	0.17 U	0.19 J	2.5 J	0.22 U	1.6	1.4 J	2.9	0.047 U	24 J	1.5	17	3.3 J	13 J	4.6 J	0.66 U
	09/30/09	DUP	49 J	1	0.18 U	0.74	0.13 U	0.62	0.15 U	1 J	2.4 J	0.19 U	1.6	1.4 J	2.8	0.041 U	34 J	1.6	18	4.3 J	20 J	6.9 J	0.58 U
	10/29/09	ORIG	130	5.3	0.2 U	7.5 J	0.14 U	0.53	0.16 U	0.33	2.1	0.22 U	2.4	9.4	2.4	0.046 U	93 E	2.2	24	1.1	3.3	1.2	0.64 U
	10/29/09	DUP	160	6.2	0.25 U	8 J	0.18 U	0.57	0.21 U	0.39	2.4	0.27 U	2.6	10	2.5	0.058 U	96	2.7	26	1.3	3.8	1.4	0.81 U
	11/24/09	ORIG	270	11	0.3 U	24	0.22 U	0.48	0.25 U	0.65	2.8	0.33 U	5.8 J	16	2.5	0.07 U	81	3.4	19	4	14	4.8	0.98 U
	11/24/09	DUP	270	10	0.32 U	23	0.24 U	0.45	0.27 U	0.62	2.8	0.35 U	4.7 J	15	2.5	0.075 U	74	3.2	18	3.7	12	4.1	1 U
	12/28/09	ORIG	540	21	0.62 U	80	0.46 U	0.72 U	0.52 U	0.95	4.9	0.68 U	20	60	2.6	0.14 U	690 E	2.1	16	13	48	16	2 U
	12/28/09	DUP	530	21	0.89 U	78	0.66 U	1 U	0.76 U	0.91	5.7 U	0.99 U	20	58	2.3	0.21 U	670 E	2.1	16	12	45	15	3 U
	01/27/10	ORIG	580	21	0.64 U	67	0.47 U	0.73 U	0.54 U	1.2	4 U	0.7 U	16 J	48	2.4	0.15 U	65	2.6	16	4.5	16	5.8	2.1 U
	01/27/10	DUP	550	20	0.59 U	63	0.43 U	0.68 U	0.49 U	1	3.7 U	0.64 U	16	45	2.2	0.14 U	72	2.6	14	4.2	14	5.1	1.9 U
	02/24/10	SPLIT	790	37	0.16	100	0.097	0.58	0.092 U	1.8	4	0.25	18	76	2.2	0.026 U	63 J	3.1	22	8.1	34	15	0.35 U
	02/24/10	ORIG	1000	37	1 U	110	0.78 U	1.2 U	0.89 U	1.6	6.7 U	1.2 U	20	78	0.96 U	0.25 U	81 J	3.9	28	8.6	35	13	3.5 U
	02/24/10	DUP	1000	38	1.7 U	110	1.2 U	2 U	1.4 U	1.5 U	11 U	1.9 U	21	78	1.5 U	0.4 U	83	4	28	8.8	36	14	5.6 U
	03/31/10	SPLIT	30	1.6 J	0.11 U	4.4 J	0.081 U	0.64 J	0.092 U	0.13	0.69 U	0.22	2.4 J	4.2 J	2.6	0.026 U	14 J	0.7 J	1.8 J	0.36 J	1.3 J	0.5 J	0.35 U
	03/31/10	ORIG	30	1.2 J	0.18 U	2.9 J	0.14	0.42 J	0.15 U	0.16 U	1.1 U	0.19 U	1.6 J	3.4 J	2.2	0.041 U	9.6 J	0.53 J	1.2 J	0.22 J	0.53 J	0.18 J	0.58 U
	03/31/10	DUP	30	1.3	0.18 U	2.6	0.17	0.42	0.15 U	0.16 U	1.1 U	0.2 U	1.8	3.6	2.3	0.042 U	5.9 J	0.56	1.3	0.2	0.53	0.18	0.59 U
	04/28/10	SPLIT	20	1.5 J	0.11 U	2.4 J	0.098	0.22 J	0.11	0.13	0.47 J	0.12 U	1.4	2	2.4	0.026 U	15 J	0.53 J	12 J	3.9 J	15 J	5 J	0.35 U
	04/28/10	ORIG	22	1.2 J	0.2 U	1.9 J	0.15 U	0.42 J	0.17 U	0.18 U	3.5 J	0.22 U	1.5	2.2 J	2.4	0.047 U	7.2 J	0.36 J	2.5 J	0.16 UJ	0.32 UJ	0.16 UJ	0.66 U
	04/28/10	DUP	22	1.3	0.21 U	1.6 J	0.15 U	0.37	0.18 U	0.19 U	1.3 U	0.23 U	1.5	2.3 J	2.5	0.049 U	6.7	0.37	0.82 J	0.16 U	0.33 U	0.16 U	0.69 U
	05/27/10	ORIG	640	23	0.7 U	78	0.52 U	0.8 U	0.59 U	1.1	4.4 U	0.77 U	12	53	2.9	0.16 U	49	1.4	6.8	1.3	3.8	1.3	2.3 U
	06/24/10	ORIG	3.5	0.22	0.19 U	0.13	0.14 UJ	0.41	0.16 U	0.17 U	1.8 J	0.2 U	1.7	0.6	2.6	0.044 U	35 J	1.8	8.3	1.2	4.4	1.7	0.62 U
	06/24/10	DUP	3.5	0.22	0.18 U	0.36	0.14 UJ	0.39	0.15 U	0.16 U	2.5 J	0.2 U	1.7	0.63	2.5	0.043 U	34 J	1.8	8.4	1.2	4.5	1.8	0.6 U
	07/01/10	ORIG	3.3	0.22	0.18 U	0.12	0.13 U	0.41	0.15 U	0.22	2.3	0.19 U	1.9	0.63	2.7	0.041 U	73	1.4	7.4	0.67	2.1	0.78	0.58 U
	07/08/10	ORIG	2.2	0.19 U	0.19 U	0.069 U	0.14 UJ	0.5	0.16 U	0.17 U	2.5 J	0.21 U	1.6	0.66	2.5	0.045 U	530 E	2	7.4	0.63	1.9	0.69	0.63 U
	07/08/10	DUP	2.1	0.19 U	0.19 U	0.069 U	0.14 UJ	0.42	0.16 U	0.17 U	4 J	0.21 U	1.7	0.67	2.5	0.045 U	540 E	1.9	7.3	0.63	1.8	0.7	0.63 U
	07/28/10	ORIG	3.5	0.36	0.17 U	0.37	0.13	0.4	0.16	0.15 U	6.2	0.19 U	1.2	0.47	2	0.044	74	2 J	68 J	2.6 J	8.3	3.3	0.56 U
	07/28/10	DUP	3.8	0.29	0.17 U	0.39	0.13 U	0.38	0.14 U	0.15 U	2.4	0.19 U	1.2	0.54	2	0.04 U	72	1.5 J	6.1 J	1.8 J	7	3	0.57 U
	08/27/10	ORIG	1.7	0.14 U	0.15 U	0.092	0.11 U	0.43	0.12 U	0.21	3.6	0.16 U	1.7 J	0.66	2.2	0.034 U	39	1.8	18	0.87	2.6	0.86	0.48 U
	08/27/10	DUP	1.5	0.18 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.16 J	2.5	0.2 U	1.7 J	0.57	2.2	0.044 U	31	1.3	12	0.65	1.8	0.58	0.62 U
	09/29/10	SPLIT	2.7 J	0.22	1.2 U	0.45 U	0.91 U	1.4 U	1 U	1.1 U	7.8 U	1.4 U	2	1.7 U	2.9	0.29 U	180	3.6	97 J	74	310	120	4.1 U
	09/29/10	ORIG	1.9 J	0.56 U	0.57 U	1.7 J	0.42 U	0.66 U	0.48 U	0.51 U	9.7	0.63 U	2.4 J	1.8	2.7	0.13 U	210	3.9	120 J	78	340	130	1.9 U

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Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	09/29/10	DUP	1.9 J	0.56 U	0.57 U	0.34 J	0.42 U	0.66 U	0.48 U	0.51 U	9.4	0.63 U	1.6 J	1.1	2.7	0.13 U	190	3.8	120 J	80	350	140	1.9 U
	10/27/10	ORIG	1.5	0.18 U	0.18 U	0.25	0.13 U	0.44	0.15 U	0.29	16 J	0.2 U	1.6 J	3	2.6	0.042 U	53	2.8	20 J	5.7	28	9.8	0.59 U
	10/27/10	DUP	1.5	0.18 U	0.18 U	0.26	0.13 U	0.46	0.15 U	0.23	4.4 J	0.2 U	2.4 J	3.2	2.7	0.042 U	54	2.8	12 J	5.6	28	9.8	0.59 U
	11/30/10	ORIG	1.2	0.18 U	0.18 U	0.14	0.21	0.44 J	0.15 U	0.2	2.3	0.2 U	1.2	0.6	2.5	0.042 U	34	3.2	16	2.5	10	3.7	0.59 U
	11/30/10	DUP	1.2	0.18 U	0.18 U	0.14	0.19	0.46 J	0.15 U	0.16 U	2.3	0.2 U	1.1	0.62	2.6	0.042 U	34	3.2	16	2.6	10	3.7	0.59 U
	12/28/10	ORIG	1.1 J	0.18 U	0.19 U	0.13	0.21	0.47 J	0.16 U	0.17 U	1.2 U	0.2 U	1.5	0.65	2.6	0.044 U	22	2.4	8.5	1	3.2 J	1.2 J	0.62 U
	12/28/10	DUP	1.4 J	0.15 U	0.16 U	0.19	0.18	0.46 J	0.13 U	0.14 J	1.1	0.21	1.5	0.68	2.6	0.037 U	23	2.8	9.7	1.2	4 J	1.5 J	0.52 U
	01/26/11	ORIG	1.3	0.17 U	0.17 U	0.15	0.13 U	0.48 J	0.14 U	0.21	4.5	0.19 U	1.8	1	2.5	0.04 U	410 E	4.7	25	3.4	14	4.3	0.57 U
	01/26/11	DUP	1.3	0.16 U	0.16 U	0.14	0.12 U	0.46 J	0.14 U	0.18	4.5	0.18 U	1.8	1.1	2.5	0.039 U	410 E	4.8	25	3.5	14	4.4	0.55 U
	02/28/11	ORIG	0.92 J	0.74 U	0.75 U	0.27 UJ	0.56 U	0.86 U	0.63 U	0.67 U	4.8 U	0.83 U	1.8	1 U	2.1	0.18 U	250	1.9	54	3.6	9.9	2.4	2.5 U
	02/28/11	DUP	0.95	0.74 U	0.75 U	0.27 UJ	0.56 U	0.86 U	0.63 U	0.67 U	4.8 U	0.83 U	1.8	1 U	2.1	0.18 U	260	1.9	54	3.7	10	2.4	2.5 U
	03/30/11	SPLIT	3.3 J	0.24	0.11 U	0.27 J	0.11	0.62 J	0.092 U	0.28 J	3.7	0.17	1.6	0.83 J	2.7	0.026 U	60	2.5 J	11	3.1 J	11 J	4.6 J	0.36 U
	03/30/11	ORIG	2.2 J	0.19 U	0.2 U	0.24 J	0.14 U	0.46 J	0.16 U	0.21 J	3.7	0.22 U	1.5	0.63 J	2.4	0.046 U	67	1.9 J	9.8	1.8 J	7 J	2.5 J	0.64 U
	04/29/11	ORIG	0.73	0.18 U	0.18 U	0.094	0.15	0.45 J	0.15 U	0.16 U	4.9	0.2 J	2.2 J	0.93	2.9	0.042 U	32	1.1	5.6	0.71	2.1	0.7	0.59 U
	05/31/11	ORIG	2.7	0.17 U	0.18 U	0.29	0.13 UJ	0.53 J	0.15 U	0.23	1.1 U	0.19 U	1.3	0.75	2.6	0.041 U	22	1.4	5.4	0.61	1.9	0.69 J	0.58 U
	06/29/11	ORIG	0.59	0.18 U	0.18 U	0.067 U	0.14 U	0.34	0.15 U	0.16 U	1.2 U	0.2 UJ	0.86	0.38	1.6	0.043 U	53	0.69	5.8	0.58	1.9	0.63	0.6 U
	07/27/11	SPLIT	0.81	0.081	0.11 U	0.084	0.089	0.6	0.092 U	0.11	0.69 U	0.25	1.3	0.56	2.9	0.026 U	31 E	0.68	5.5 J	0.88 J	2.8 J	1.1 J	0.36 U
	07/27/11	ORIG	0.78	0.17 U	0.17 U	0.063	0.13 U	0.49 J	0.14 U	0.15 U	1.1 U	0.19 UJ	1.3	0.54	2.4	0.04 U	45 J	0.59	3.9 J	0.49 J	1.4 J	0.39 J	0.57 U
Maintenance Shop																							
	07/23/08	ORIG	26	1.4	0.2 U	2.1	0.14 U	0.44	0.16 U	0.18	3.7	0.21 J	1.6	2.6	2.2	0.046 U	25	1.6	11	2.2	8.6	2.9	0.64 U
	07/23/08	EPA	48.13 J	4.83 U	4.91 U	4.36 J	3.64 U	5.66 U	4.14 U	4.39 U	6.25 J	5.41 U	5.06 U	6.9 U	4.45 U	2.3 U	--	2.87 U	15.81	3.91 U	9.99 J	3.91 U	--
	03/03/09	ORIG	42	15 U	15 U	11 U	11 U	17 U	12 U	13 U	9.5 U	16 U	15 U	21 U	14 U	7 U	5600 E	8.7 U	2600	12 U	18	12 U	9.9 U
	07/16/09	ORIG	22	3.8 U	3.8 U	1.7	2.8 U	4.4 U	3.2 U	3.4 U	24 U	4.2 U	3.9 U	5.4 U	3.5 U	0.89 U	2700 E	5.6 U	1700	3 U	6.1 U	3 U	13 U
	08/25/09	ORIG	12	1.7 U	1.7 U	0.61	1.2 U	2 U	1.4 U	1.5 U	11 U	1.9 U	1.9	2.4 U	2.7	0.4 U	1500 E	4.7	720	2.4	7	2.3	5.6 U
	09/30/09	ORIG	29	1.9	0.19 U	2	0.14 U	0.57	0.16 U	0.17 U	7.4	0.48	1.7	2.3 J	2.5	0.045 U	130 E	8.6	100	28	120	52	0.63 U
	10/29/09	ORIG	36	2	0.86 U	2.2 J	0.64 U	0.99 U	0.73 U	0.77 U	6.2	0.95 U	1.9	6.2	2.5	0.2 U	890 E	3	490	2.8	8.8	3.3	2.8 U
	11/24/09	ORIG	25	1.3	0.2 U	2	0.14 U	0.47	0.16 U	0.17 U	4	0.22 U	1.5	2.1	2.5	0.046 U	64	6.9	36	8.4	33	11	0.64 U
	12/28/09	ORIG	63	3.3	1 U	6.4	0.76 U	1.2 U	0.86 U	0.91 U	9.4	1.1 U	3.2	5.3	2.4	0.24 U	1900 E	1.9	25	48	200	73	3.4 U
	01/27/10	ORIG	24	1.3	0.21 U	2.2	0.15 U	0.48	0.18 U	0.19 U	5.6	0.23 U	2	2	2.5	0.049 U	28	2.4	17	6	25	8.9	0.69 U
	02/24/10	ORIG	11	0.89	0.21 U	1.1	0.16 U	0.54	0.18 U	0.19 U	3.3	0.23 U	1.6	1.3	2.8 J	0.05 U	1000 E	2.6	38	4.5	20	8	0.7 U
	03/31/10	ORIG	19	1	0.18 U	1.6	0.2	0.41	0.15 U	0.16 U	7.2	0.2 U	1.3	1.8	2	0.042 U	25	5.3	38	4.3	18	5	0.59 U
	04/28/10	ORIG	46	2.2	0.15 U	3 J	0.11 U	0.41	0.12 U	0.16	8.7	0.16 U	1.7	2.7 J	2.2	0.035 U	34	1.6	9	0.98	3.5	1.1	0.49 U
	05/27/10	ORIG	7.9	0.48	0.19 U	1.2	0.14 U	0.52	0.16 U	0.17 U	4.5	0.2 U	1.9	1.6	2.8	0.044 U	140 E	2.3	19	3.7	15	5.1	0.62 U
	06/18/10	ORIG	2.5 U	2 U	2 U	0.74 U	1.5 U	2.4 U	1.7 U	1.8 U	13	2.2 U	2.1 U	2.9 U	2.2	0.48 U	1300 E	35	620	64	260	61	6.7 U
	06/24/10	ORIG	0.68	0.18 U	0.18 U	0.066	0.13 UJ	0.42	0.15 U	0.16 U	4.4	0.2 U	1.6	0.54	2.6	0.058	48 J	6.7	37	6.1	36	17	0.59 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/01/10	ORIG	5.9 U	4.7 U	4.8 U	3.5 U	3.5 U	5.5 U	4 U	4.3 U	4.8	5.3 U	4.9 U	6.7 U	4.3 U	2.2 U	380	9.7	21	3.8 U	12	4.5	3.2 U
	07/08/10	ORIG	0.56	0.35 U	0.36 U	0.13 U	0.26 UJ	0.58	0.3 U	0.32 U	5	0.39 U	1.7	0.73	2.4	0.084 U	1000 E	3.8	13	1	3.1	1.1	1.2 U
	07/28/10	ORIG	0.58	0.18 U	0.18 U	0.067 U	0.37	0.44	0.15 U	0.21	3	0.2 U	1.2	0.4	2.1	0.043 U	41	2.1	12	3.6	14	6.2	0.6 U
	08/27/10	ORIG	0.66	0.19 U	0.19 U	0.077	0.14 U	0.41	0.16 U	0.17 U	8.7	0.21 U	1.6 J	0.69	2.3	0.045 U	45	2.2	32	1.7	6.1	1.9	0.63 U
	09/29/10	ORIG	0.65	0.36 U	0.37 U	0.18	0.27 U	0.44	0.31 U	0.33 U	4.2	0.4 U	1.9	1.2	2.8	0.086 U	710 E	2.4	12	8.9	43	17	1.2 U
	10/27/10	ORIG	0.33	0.18 U	0.18 U	0.12	0.13 U	0.41	0.15 U	0.16 U	3.9	0.2 U	1.5	3	2.5	0.042 U	96 E	2	7.9	5.3	31	12	0.59 U
	11/30/10	ORIG	0.47	0.18 U	0.18 U	0.065 U	0.21	0.42 J	0.15 U	0.16 U	2.6	0.2 U	1	0.5	2.4	0.042 U	300 E	3.8	18	4.2	18	6.2	0.59 U
	12/28/10	ORIG	0.74	0.16 U	0.16 U	0.072	0.18	0.47 J	0.14 U	0.14 U	3.6	0.18 U	1.4	0.57	2.5	0.038 U	48	3.5	20	3.6	15	4.5	0.54 U
	01/26/11	ORIG	0.55	0.22 U	0.23 U	0.083 U	0.17 U	0.49 J	0.19 U	0.2 U	3.7	0.25 U	1.5	0.62	2.4	0.054 U	760 E	10	130	8.8	36	9.3	0.76 U
	02/28/11	ORIG	58 U	46 U	47 U	34 U	35 U	54 U	39 U	42 U	30 U	51 U	48 U	66 U	42 U	22 U	8700 E	27 U	2200	91	260	48	31 U
	03/30/11	ORIG	0.54	0.17 U	0.18 U	0.064 U	0.23	0.49	0.15 U	0.17	3.1	0.19 U	1.4	0.54	2.3	0.041 U	300 E	6.4	29	4.4	20	6	0.58 U
	04/29/11	SPLIT	0.46 J	0.055	0.11 U	0.046	0.081 U	0.55	0.092 U	0.14	8.1	0.12 J	1.6 J	0.73	2.6	0.026 U	28 J	3.3	24 J	6.6 J	27 J	11 J	0.46
	04/29/11	ORIG	0.32 J	0.18 U	0.18 U	0.067 U	0.19	0.44 J	0.15 U	0.16 U	7.8	0.2 J	2 J	0.65	2.8	0.043 U	40 J	3.1	18 J	2.6 J	10 J	3 J	0.6 U
	05/31/11	SPLIT	2.1 J	0.14	0.11 U	0.13	0.097	0.62	0.092 U	0.28	0.78	0.24	1.2	0.73	2.6	0.026 U	21 J	2.8	29	2.1 J	7.7 J	3.3	0.36 U
	05/31/11	ORIG	1.5 J	0.19 U	0.2 U	0.12	0.14 UJ	0.52 J	0.16 U	0.25	1.2 U	0.22 U	1.3	0.66	2.5	0.046 U	29 J	2.5	25	1.2 J	4.4 J	1.6 J	0.64 U
	06/29/11	Split	0.51 J	0.065	0.11 U	0.04 U	0.12	0.63 J	0.092 U	0.13	0.69 U	0.14	1.3	0.62	0.86 J	0.026 U	41	2.4 J	16	4.4 J	14 J	6.7 J	0.36 U
	06/29/11	ORIG	0.37 J	0.18 U	0.18 U	0.065 U	0.13 U	0.45 J	0.34	0.16 U	1.2	0.2 UJ	1.2	0.56	2.4 J	0.042 U	34	3 J	13	2.1 J	7.4 J	2.5 J	0.59 U
	07/27/11	ORIG	0.57	0.19 U	0.19 U	0.069 U	0.14 U	0.53 J	0.54	0.17 U	1.4	0.21 UJ	1.4	0.58	2.6	0.045 U	100 E	7	36	6.1	25	8	0.63 U
Second floor office area																							
	05/11/04	ORIG	100	4	0.49	21	0.15 U	0.62	0.17 U	0.23	1.4	0.22 U	6.9	26	2.6	0.046 U	43	1.4	8.7	1.5	5.5	2.1	0.66 U
	09/14/05	ORIG	45	1.7	0.2 U	6	0.15 U	0.63	0.17 U	0.21	1.3	0.22 U	3.4	6.8	1.5	0.047 U	37	1.2	6.5	0.95	3.3	0.96	0.66 U
	07/23/08	ORIG	140	5.9	0.19 U	12	0.14 U	0.44	0.16 U	0.43	1.5	0.21 U	3.1	10	2.3	0.045 U	37	0.88	7	0.88	3.1	1.1	0.63 U
	03/03/09	ORIG	330	12	0.52 U	41	0.39 U	0.6 U	0.44 U	0.59	3.3 U	0.57 U	11	37	2.5	0.12 U	110	2	49	1.5	4.9	2	1.7 U
	07/16/09	ORIG	47	2.1	0.19 U	2.6	0.14 U	0.55	0.16 U	0.31	1.4	0.21 U	2	1.6	2.4	0.045 U	180 E	1.7	89	0.65	2	0.7	0.63 U
	08/25/09	ORIG	18	1.1	0.16 U	0.92	0.12 U	0.54	0.14 U	0.33	1.5	0.18 U	1.6	1.2	2.6	0.039 U	54	1.9	13	0.81	2.4	0.78	0.55 U
	09/30/09	ORIG	39	1.7	0.19 U	1.4	0.14 U	0.64	0.16 U	0.22	4.2	0.2 U	1.7	1.8 J	2.9	0.044 U	34	2.1	28	7.3	38	13	0.62 U
	10/29/09	ORIG	95	3.8	0.19 U	4.7 J	0.14 U	0.43	0.16 U	0.28	1.9	0.2 U	2	8.1	2.4	0.044 U	79	2.1	22	1	3	1.1	0.62 U
	11/24/09	ORIG	240	9.5	0.35 U	19	0.26 U	0.42	0.3 U	0.61	3.2	0.39 U	4.2	14	2.4	0.082 U	84	3.1	19	4.2	14	5	1.2 U
	12/28/09	ORIG	520	20	0.89 U	57	0.66 U	1 U	0.76 U	0.97	8.6	0.99 U	14	39	2.2	0.21 U	2300 E	2.8	34	39	150	47	3 U
	01/27/10	ORIG	540	20	0.81 U	59	0.6 U	0.94 U	0.68 U	1.1	5.3	0.9 U	14	40	2.2	0.19 U	86	3.7	40	6.6	23	8.3	2.7 U
	02/24/10	ORIG	970	36	1.4 U	100	1.1 U	1.6 U	1.2 U	1.8	9.2 U	1.6 U	20	74	2.8 J	0.34 U	110	5	37	12	48	19	4.7 U
	03/31/10	ORIG	48	1.8	0.2 U	3.6	0.15 U	0.42	0.17 U	0.18 U	1.3 U	0.22 U	1.8	4.2	2.2	0.047 U	13	0.51	1.4	0.2	0.56	0.2	0.66 U
	04/28/10	ORIG	62	2.9	0.2 U	4.7 J	0.15 U	0.42	0.17 U	0.18 U	1.3 U	0.22 U	2	4.4 J	2.4	0.047 U	12	0.43	1.2	0.16	0.45	0.16	0.66 U
	05/27/10	ORIG	660	24	0.7 U	85	0.52 U	0.81 U	0.59 U	1.2	5.7	0.78 U	12	54	2.9	0.16 U	54	1.9	11	2	6.1	2	2.3 U
	06/24/10	ORIG	3.9	0.24	0.19 U	0.43	0.14 UJ	0.4	0.16 U	0.17 U	2.6	0.21 U	1.8	0.59	2.5	0.045 U	43 J	3.2	16	2.4	11	4.3	0.63 U

Table 1
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Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/01/10	ORIG	3.4	0.36 U	0.37 U	0.17	0.27 U	0.42 J	0.31 U	0.33 U	3.2	0.4 U	2.1	0.71	2.5	0.086 U	120	3	9.1	0.98	3	1.2	1.2 U
	07/08/10	ORIG	1.5	0.25 U	0.26 U	0.093 U	0.19 UJ	0.42	0.22 U	0.23 U	4	0.28 U	1.6	0.64	2.5	0.06 U	770 E	3.2	12	0.95	2.9	1	0.84 U
	07/28/10	ORIG	4	0.29	0.18 U	0.24	0.14 U	0.38	0.15 U	0.16 U	3.9	0.2 U	1.4	0.54	2	0.043 U	150 E	1.9	9.2	2.8	11	4.6	0.6 U
	08/27/10	ORIG	2	0.22 U	0.22 U	0.08 U	0.16 U	0.4	0.18 U	0.2 U	3.4	0.24 U	1.8 J	0.59	2.1	0.051 U	42	1.5	16	0.83	2.4	0.96	0.72 U
	09/29/10	ORIG	2.4	0.88 U	0.89 U	0.54	0.66 U	1 U	0.76 U	0.8 U	17	0.99 U	2.9	1.4	2.5	0.21 U	320	5.6	200	130	520	200	3 U
	10/27/10	ORIG	1.3	0.18 U	0.18 U	0.24	0.14 U	0.43	0.15 U	0.25	12	0.2 U	2.4	3	2.5	0.043 U	56	2.5	16	5.2	27	9.3	0.6 U
	11/30/10	ORIG	1	0.18 U	0.18 U	0.12	0.16	0.42 J	0.15 U	0.16 U	2.4	0.2 U	1.1	0.61	2.5	0.042 U	34	3	16	2.5	10	3.6	0.59 U
	12/28/10	ORIG	1.4	0.14	0.14 U	0.25	0.17	0.5 J	0.12 U	0.14	1.3	0.21	1.6	0.7	2.5	0.034 U	30	2.9	13	1.5	5	1.6	0.48 U
	01/26/11	ORIG	1.3	0.2 U	0.2 U	0.14	0.15 U	0.52 J	0.17 U	0.31	4.1	0.22 U	1.8	0.98	2.6	0.048 U	410 E	4.5	25	3.3	13	4.2	0.67 U
	02/28/11	ORIG	0.68	0.34 U	0.34 U	0.14 J	0.25 U	0.4	0.29 U	0.3 U	2.2 U	0.38 U	1.7	0.66	2.3	0.08 U	130	1.5	27	2	5.4	1.4	1.1 U
	03/30/11	ORIG	1.1	0.18 U	0.18 U	0.16 J	0.17	0.52	0.15 U	0.2	2.8	0.2 U	1.7	0.75	2.6	0.042 U	39	1.7	7.5	1.2	4.1	1.4	0.59 U
	04/29/11	ORIG	0.68	0.18 U	0.18 U	0.081	0.16	0.39 J	0.15 U	0.16 U	4.5	0.2 J	2.2 J	0.9	2.9	0.042 U	31	1.2	6.3	0.68	2	0.67	0.59 U
	05/31/11	ORIG	2.4	0.19	0.19 U	0.24	0.14 UJ	0.52 J	0.16 U	0.23	1.2 U	0.2 U	1.3	0.74	2.6	0.044 U	20	1.4	5.7	0.62	2	0.72 J	0.62 U
	06/29/11	ORIG	0.8	0.18 U	0.18 U	0.066 U	0.13 U	0.48	0.15 U	0.16 U	1.2 U	0.2 UJ	1.3	0.56	2.3	0.042 U	58	1.1	6.7	0.8	2.6	1	0.6 U
	07/27/11	ORIG	0.86	0.16 U	0.16 U	0.079	0.12 U	0.56 J	0.14 U	0.14 U	1 U	0.18 UJ	1.5 J	0.59	2.7	0.038 U	44	0.63	3.8	0.55	1.8	0.61	0.54 U
Women and Children's Crisis Shelter																							
First Floor Great Room																							
	05/27/10	ORIG	8	0.78	0.19 U	4.6 J	0.14 U	0.5	0.16 U	0.17 U	1.2 U	0.2 U	2	2 J	2.8	0.044 U	11	0.55	1.8	0.24	0.58	0.2	0.62 U
	07/01/10	ORIG	4.3	0.4	0.17 U	1.6	0.25	0.29	0.14 U	0.23	2.3	0.19 U	1.8	0.87	2.5	0.04 U	52	0.87	29	2.8	21	3	0.56 U
	07/28/10	ORIG	4.7	0.47	0.2 U	1.4	0.15 U	0.37	0.17 U	0.18 U	1.3 U	0.22 U	1.3	0.74	2	0.047 U	17	0.57	1.8	0.39	0.96	0.3	0.66 U
	08/27/10	ORIG	3.9	0.23	0.2 U	1.1	0.14 U	0.43	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.74	2.1	0.046 U	16	0.8	2.5	0.36	0.78	0.36	0.64 U
	10/07/10	ORIG	5.8	0.28	0.19 U	1.1	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	2	0.88	2.8	0.045 U	16	0.6	1.8	0.21	0.52	0.16	0.63 U
	10/27/10	ORIG	3.1	0.14	0.15 U	0.28	0.11 U	0.44	0.12 U	0.13 U	1	0.16 U	1.8	1.1	2.6	0.035 U	9.4	0.94	2.5	0.35	1	0.33	0.49 U
	11/30/10	ORIG	15	0.6	0.19 U	2.6	0.14 U	0.32 J	0.16 U	0.17 U	1.2 U	0.2 U	1	0.84	1.7	0.044 U	1200 E	1	2.5	0.49	1.5	0.51	0.62 U
	12/28/10	ORIG	4.8	0.39	0.15 U	0.5	0.19	0.49 J	0.12 U	0.17	0.95	0.16 U	1.6	0.86	2.6	0.034 U	19	4.3	12	1.2	3.6	0.97	0.48 U
	01/26/11	ORIG	2.9	0.17 J	0.17 U	0.21	0.2	0.33 J	0.14 U	0.16	1.2	0.19 U	1.6	0.6	2.6	0.04 U	23	1.4	5.2	0.65	2	0.81	0.57 U
	02/28/11	ORIG	2	0.19 U	0.2 U	0.32 J	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.4	0.7	2.5	0.046 U	9.9	0.97	2.2	0.35	1	0.34	0.64 U
	03/30/11	ORIG	5.3	0.29 J	0.3 U	3.1	0.22 U	0.48	0.25 U	0.26 U	1.9 U	0.33 U	1.8	2	2.4	0.07 U	17	1.2	4	0.61	1.8	0.56 J	0.98 U
	04/29/11	ORIG	4.9	0.22	0.18 U	0.68	0.15	0.48	0.15 U	0.16 U	1.1 U	0.2 UJ	2.4	1.6	3.2	0.042 U	12	0.48	1.6	0.16	0.35	0.14 U	0.59 U
	05/31/11	ORIG	3.4	0.19 U	0.19 U	0.49	0.14 UJ	0.54 J	0.16 U	0.17	1.2 U	0.21 U	1.3	0.99	2.6	0.045 U	14	0.99	3.1	0.42	1.2	0.43 J	0.63 U
	06/29/11	ORIG	4.2	0.2	0.16 U	0.46	0.12 U	0.49	0.14 U	0.15 U	1 U	0.18 UJ	1.3	0.85	2.4	0.038 U	25	0.57	1.8	0.31	0.91	0.44	0.54 U
	07/27/11	ORIG	6	0.3	0.17 U	0.85	0.13 U	0.5	0.14 U	0.15 U	1.1 U	0.19 UJ	1.4 J	1	2.5	0.04 U	10	0.32	1	0.18	0.52	0.19	0.57 U
First Floor Office (Right Side of Building)																							
	05/27/10	ORIG	13	1	0.17 U	7.9 J	0.13 U	0.55	0.14 U	0.15 U	1.1 U	0.19 U	2.6	3.1 J	2.9	0.04 U	26	0.53	1.8	0.25	0.6	0.2	0.57 U
	07/01/10	ORIG	8.9	0.65	0.19 U	4	0.14 U	0.45	0.16 U	0.2	1.4	0.2 U	2.2	1.5	2.8	0.044 U	36	0.88	2.5	0.24	0.51	0.27	0.62 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/28/10	ORIG	4.5	0.44	0.2 U	1.4	0.14 U	0.22 U	0.16 U	0.17 U	1.2 U	0.22 U	1.3	0.79	2.1	0.046 U	39	0.61	1.9	3.2	8.3	1.7	0.64 U
	08/27/10	ORIG	4.6	0.23	0.18 U	0.53	0.13 U	0.44	0.15 U	0.16 J	1.1 U	0.2 U	1.6	0.74	2.2	0.042 U	20	0.79	2.3	0.3	0.7	0.25	0.59 U
	10/07/10	ORIG	6	0.27	0.19 U	1.3	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.9	0.86	2.6	0.045 U	20	0.74	1.9	0.24	0.62	0.22	0.63 U
	10/27/10	ORIG	1.9	0.18 U	0.18 U	0.14	0.13 U	0.4	0.15 U	0.16 U	1.2	0.2 U	1.8	0.88	2.6	0.042 U	14	0.69	4.8	0.17	0.3	0.14 U	0.59 U
	11/30/10	ORIG	24	18 U	18 U	13 U	14 U	21 U	15 U	16 U	12 U	20 U	19 U	26 U	2.8 J	8.6 U	67	2.4 J	4.1 J	14 U	2.2 J	14 U	12 U
	12/28/10	ORIG	3.9	0.19	0.16 U	0.46	0.17	0.48 J	0.13 U	0.14 U	1 U	0.17 U	1.6	0.85	2.7	0.037 U	13	1.3	3.8	0.48	1.3	0.42	0.52 U
	01/26/11	ORIG	3.5	0.19	0.19 U	0.28	0.2	0.34 J	0.16 U	0.17 U	1.2	0.21 U	1.6	0.62	2.6	0.045 U	19	1.4	4.6	0.63	1.8	0.55	0.63 U
	02/28/11	ORIG	2.4	0.18 U	0.18 U	0.39 J	0.13 J	0.42	0.15 U	0.16 U	2.9	0.2 U	1.7	0.72	2.5	0.042 U	11	1	2.6	0.4	1.2	0.4	0.59 U
	03/30/11	ORIG	4.1	0.24	0.17 U	0.6 J	0.13 U	0.5	0.14 U	0.21	2.1	0.19 U	1.6	1	2.6	0.04 U	20	1.2	7	0.6	1.5	0.48 J	0.57 U
	04/29/11	ORIG	3.4 J	0.35 J	0.15 UJ	0.53 J	0.24 J	0.44 J	0.12 UJ	0.19 J	1.8 J	0.16 UJ	2 J	1.1 J	2.9 J	0.034 UJ	26 J	0.73 J	14 J	0.65 J	1.1 J	0.33 J	0.48 UJ
	05/31/11	ORIG	3.7	0.18 U	0.19 U	0.46	0.14 UJ	0.53 J	0.16 U	0.2	1.2 U	0.2 U	1.3	0.96	2.6	0.044 U	14	1	3.2	0.44	1.3	0.45 J	0.62 U
	06/29/11	ORIG	4.3	0.19	0.18 U	0.39	0.14 U	0.48	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	0.77	2.2	0.043 U	26	0.49	1.6	0.28	0.86	0.31	0.6 U
	07/27/11	ORIG	16	0.74	0.16 U	2.2	0.12 U	1.3 J	0.14 U	0.3	1.9	0.18 UJ	3.2 J	2.6	6.2	0.039 U	28	0.79	2.7	0.44	1.3	0.47	0.55 U
First Floor Outside Elevator																							
	05/27/10	ORIG	21	1.4	0.2 U	12 J	0.15 U	0.53	0.17 U	0.18 U	1.3 U	0.22 U	2.9	4.8 J	2.7	0.047 U	21	0.64	2	0.29	0.74	0.26	0.66 U
	07/01/10	ORIG	11	0.75	0.19 U	3.9	0.73	0.44	0.16 U	0.36	1.2 U	0.21 U	2.2	1.5	2.7	0.045 U	27	1.6	2.6	0.23	0.47	0.17	0.63 U
	07/28/10	ORIG	5.5	0.47	0.18 U	1.4	0.13 U	0.41	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.71	2.1	0.042 U	14	0.58	2.2	0.65	1.6	0.43	0.59 U
	08/27/10	ORIG	5.1	0.24	0.19 U	0.37	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.62	2.1	0.045 U	15	0.79	2.3	0.31	0.76	0.26	0.63 U
	10/07/10	ORIG	5.5	0.26	0.18 U	1.1	0.14 U	0.46	0.15 U	0.16 U	1.2 U	0.2 U	1.9	0.84	2.6	0.043 U	15	0.61	1.8	0.21	0.53	0.18	0.6 U
	10/07/10	DUP	5.6	0.26	0.17 U	1.3	0.14	0.47	0.14 U	0.15 U	1.1 U	0.19 U	2	1	2.8	0.04 U	14	0.62	1.8	0.21	0.53	0.18	0.57 U
	10/27/10	ORIG	3.7	0.24	0.38	0.51	0.11 U	0.45	0.12 U	0.15	0.94 U	0.16 U	1.9	1.3	2.6	0.035 U	9.7	1.3	3.4	0.49	1.4	0.46	0.49 U
	11/30/10	ORIG	26	14 U	14 U	10 U	11 U	17 U	12 U	13 U	9.2 U	16 U	15 U	20 U	2.4 J	6.7 U	28	2.5 J	6.4 J	11 U	3.8 J	1.4 J	9.5 U
	12/28/10	ORIG	6.5	0.36	0.15 U	0.91	0.19	0.5 J	0.12 U	0.19	0.93 U	0.16 U	1.6	1	2.7	0.034 U	22	4.2	11	1.3	4.4	1.3	0.48 U
	01/26/11	ORIG	3.8	0.19	0.19 U	0.34	0.2	0.51 J	0.16 U	0.17 J	1.3	0.21 U	1.6	0.7	2.6	0.045 U	23	1.5	4.7	0.65	1.9	0.58	0.63 U
	02/28/11	SPLIT	0.42 J	0.066	0.72	0.04 U	0.49	0.94 J	0.092 U	0.52	1.2	0.33	1.9 J	1 J	0.56 J	0.026 U	24 J	2.3 J	14 J	0.94 J	2.8 J	0.95 J	0.36 U
	02/28/11	ORIG	2.8 J	0.19 U	0.2 U	0.4 J	0.14 U	0.4 J	0.16 U	0.17 U	1.2 U	0.22 U	1.5 J	0.69 J	2.4 J	0.046 U	8.8 J	0.98 J	2.2 J	0.36 J	1 J	0.34 J	0.64 U
	03/30/11	ORIG	4.8	0.26	0.17 U	1 J	0.16	0.49	0.14 U	0.2	1.3	0.19 U	1.6	1.6 J	2.6	0.04 U	20	1.2	4	0.63	1.7	0.52 J	0.56 U
	03/30/11	DUP	4.7	0.26	0.18 U	0.64 J	0.14 U	0.51	0.15 U	0.21	1.4	0.2 U	1.7	1.1 J	2.6	0.043 U	19	1.2	4	0.64	1.8	0.52 J	0.6 U
	04/29/11	ORIG	5.2	0.23	0.18 U	0.74	0.17	0.48	0.15 U	0.16 U	1.1 U	0.19 UJ	2.2	1.5	3	0.041 U	11	0.48	1.5	0.19	0.46	0.14 U	0.58 U
	04/29/11	DUP	5.1	0.23	0.18 U	0.67	0.15	0.47	0.15 U	0.16 U	1.2 U	0.2 UJ	2.2	1.5	3	0.043 U	12	0.48	1.5	0.19	0.43	0.14 U	0.6 U
	05/31/11	ORIG	3.4	0.19 U	0.19 U	0.45	0.14 UJ	0.51 J	0.16 U	0.2	1.2 U	0.21 U	1.2	0.93	2.6	0.045 U	14	1	3.1	0.44	1.4	0.47 J	0.63 U
	06/29/11	ORIG	3.6	0.17 J	0.18 U	0.38	0.13 U	0.49	0.15 U	0.16 U	1.1 U	0.2 UJ	1.2	0.77	2.3	0.042 U	20	0.51	1.8	0.37	0.96	0.4	0.59 U
	07/27/11	ORIG	6.9	0.36	0.15 U	1	0.11 U	0.57	0.13 U	0.15	0.96 U	0.18 J	1.5 J	1.2	2.7	0.036 U	9.9	0.34	1	0.2	0.56	0.21	0.5 U
Middle Office on First Floor																							
	03/31/10	ORIG	490	20	0.48 U	180	0.35 U	0.55 U	0.4 U	0.76	3 U	0.53 U	29	120	2.4	0.11 U	21	0.7 U	1.5	0.38 U	0.76 U	0.38 U	1.6 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	05/27/10	SPLIT	17 J	1.3	0.11 U	7.7	0.093	0.6	0.092 U	0.12	0.55	0.34	2.1	3	2.4	0.026 U	15	0.66	3.6 J	0.54 J	1.6 J	0.66 J	0.35 U
	05/27/10	ORIG	13 J	1.1	0.19 U	8.4 J	0.14 U	0.54	0.16 U	0.17 U	1.2 U	0.2 U	2.5	3.6 J	2.9	0.044 U	16 J	0.6	1.8 J	0.26 J	0.64 J	0.24 J	0.62 U
	05/27/10	DUP	13	1	0.18 U	8.1 J	0.13	0.54	0.15 U	0.16 U	1.1 U	0.19 U	2.5	3.5 J	2.8	0.041 U	13 J	0.53	1.8	0.27	0.58	0.29	0.58 U
	07/01/10	SPLIT	5.1 J	0.36 J	0.11 U	1.9 J	0.081 U	0.59 J	0.092 U	0.39	0.73	0.19	1.6 J	1.1 J	2.6 J	0.026 U	8.3 J	0.95 J	3.7 J	0.64 J	2.1 J	0.87 J	0.36 U
	07/01/10	ORIG	3.3 J	0.29 J	0.19 U	0.96 J	0.14 U	0.31 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2 J	0.62 J	1.5 J	0.045 U	16 J	0.51 J	1.6 J	0.16 J	0.37 J	0.17 J	0.63 U
	07/28/10	ORIG	4.1	0.41	0.2 U	1.1	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.3	0.69	2	0.046 U	15 J	0.58	1.8 J	0.61	1.5	0.42	0.64 U
	07/28/10	DUP	3.7	0.43	0.18 U	0.9	0.14 U	0.4	0.15 U	0.16 U	1.2 U	0.2 U	1.3	0.62	2	0.043 U	24 J	0.61	17 J	0.67	1.6	0.47	0.6 U
	08/27/10	ORIG	4	0.21	0.21 U	0.33	0.16 U	0.37	0.18 U	0.19 U	1.4 U	0.24 U	1.7 J	0.66	2.2	0.05 U	13	0.74	2.2	0.27	0.61	0.19	0.71 U
	08/27/10	DUP	3.9	0.2	0.2 U	0.3	0.15 U	0.37	0.17 U	0.18 U	1.3 U	0.22 U	1.1 J	0.61	2.2	0.048 U	15	0.74	2.2	0.28	0.66	0.21	0.67 U
	10/07/10	ORIG	5.5	0.26	0.18 U	1.1	0.15	0.46	0.15 U	0.23	1.1 U	0.2 U	1.9	0.85	2.7	0.042 U	17	0.62	1.8	0.23	0.53	0.18	0.59 U
	10/27/10	ORIG	2	0.18 U	0.18 U	0.12	0.13 U	0.44	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.86	2.6	0.042 U	14	0.55	1.4	0.2	0.56	0.19	0.59 U
	11/30/10	ORIG	24 J	22 U	22 U	16 U	16 U	25 U	18 U	20 U	14 U	24 U	23 U	31 U	20 U	10 U	140	2.3 J	6.7 J	17 U	3.2 J	17 U	14 U
	12/28/10	ORIG	6.8	0.43	0.15 U	1	0.13	0.53 J	0.12 U	0.19	1.1	0.16	1.7	1.1	2.8	0.034 U	21	4.7	12	1.6	5.4	1.6	0.48 U
	01/26/11	ORIG	3.4	0.19	0.18 U	0.32	0.18	0.51 J	0.15 U	0.17	1.2	0.19 U	1.3	0.68	2.7	0.041 U	20	1.5	4.6	0.66	1.9	0.57	0.58 U
	02/28/11	ORIG	2.8	0.19 U	0.2 U	0.42 J	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.7	0.73	2.5	0.046 U	9.4	1	2.2	0.36	1	0.36	0.64 U
	03/30/11	ORIG	4.6	0.24	0.18 U	0.53 J	0.15	0.43	0.15 U	0.2	1.3	0.2 U	0.94	1	2.5	0.043 U	14	1.2	3.9	0.65	1.8	0.5 J	0.6 U
	04/29/11	ORIG	5.8	0.25	0.16 U	1.2	0.13	0.47	0.13 U	0.14 J	1 U	0.17 UJ	2.2	1.6	2.9	0.037 U	12	0.48	1.1	0.24	0.6	0.14	0.52 U
Second Floor Office																							
	05/27/10	ORIG	4.3	0.54	0.19 U	2.8 J	0.14 U	0.51	0.16 U	0.17 U	1.2 U	0.2 U	1.9	1.7 J	2.7	0.044 U	20	0.52	1.9	0.24	0.58	0.19	0.62 U
	07/01/10	ORIG	3.2	0.35	0.2 U	1.4	0.15 U	0.39	0.17 U	0.18	1.3 U	0.22 U	1.8	0.9	2.6	0.047 U	38	0.9	2.5	0.22	0.48	0.24	0.66 U
	07/28/10	ORIG	2.5	0.3	0.18 U	0.65	0.13 U	0.38	0.15 U	0.16 U	1.1 U	0.2 U	1.2	0.63	2	0.042 U	15	0.58	1.9	0.43	0.93	0.32	0.59 U
	08/27/10	ORIG	2.4	0.19 U	0.2 U	0.28	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.61	2.1	0.046 U	18	0.82	2.4	0.29	0.69	0.25	0.64 U
	10/07/10	ORIG	4	0.19	0.18 U	1.4	0.13 U	0.46	0.15 U	0.16	1.1 U	0.2 U	1.9	1.2	2.7	0.042 U	16	0.63	2.2	0.24	0.58	0.23	0.59 U
	10/27/10	ORIG	1.7	0.19 U	0.19 U	0.19	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.7	0.92	2.6	0.045 U	11	0.74	1.9	0.28	0.76	0.25	0.63 U
	10/27/10	DUP	1.6	0.19 U	0.19 U	0.19	0.14 U	0.38	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.9	2.6	0.045 U	9.5	0.72	2	0.27	0.76	0.25	0.63 U
	11/30/10	ORIG	9 J	0.4	0.15 U	1.7 J	0.11 U	0.31 J	0.13 U	0.14 U	0.98 U	0.17 U	1.1	0.65 J	1.6 J	0.036 U	17 J	0.99 J	2.3 J	0.37 J	1.1 J	0.36	0.51 U
	11/30/10	DUP	14 J	0.61	0.21 U	2.4 J	0.15 U	0.41 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.94 J	2.3 J	0.049 U	43 J	1.3 J	3 J	0.5 J	1.4 J	0.46	0.69 U
	12/28/10	ORIG	5	0.29	0.15 U	0.7	0.2	0.5 J	0.12 U	0.45	0.93 U	0.16 U	1.6	1	2.7	0.034 U	15	2.1	5.6	0.72	2	0.64 J	0.48 U
	12/28/10	DUP	4.6	0.27	0.16 U	0.65	0.14	0.48 J	0.14 U	0.4	1 U	0.18 U	1.6	0.99	2.6	0.038 U	17	2.1	5.7	0.71	2.1	0.82 J	0.54 U
	01/26/11	ORIG	3.6	0.21	0.18 U	0.3	0.23	0.5 J	0.15 U	0.33	1.3	0.2 U	1.6	0.71	2.5	0.042 U	20	1.6	5.1	0.66	1.9	0.57	0.59 U
	01/26/11	DUP	3.6	0.21	0.2 U	0.3	0.24	0.5 J	0.16 U	0.32	1.3	0.22 U	1.6	0.72	2.6	0.046 U	20	1.5	4.9	0.66	1.8	0.57	0.64 U
	02/28/11	ORIG	2.4	0.18 U	0.18 U	0.38 J	0.14	0.4	0.15 U	0.25	1.2 U	0.2 U	1.6	0.7	2.4	0.043 U	28 J	1.1	3.2 J	0.44	1.2	0.42	0.6 U
	02/28/11	DUP	2.6	0.17 U	0.17 U	0.42 J	0.13 U	0.46	0.14 U	0.25	1.1 U	0.19 U	1.7	0.73	2.4	0.04 U	10 J	1.1	2.5 J	0.39	1.2	0.41	0.57 U
	03/30/11	ORIG	5.8	0.31	0.18 U	0.78 J	0.17	0.5	0.15 U	0.42	2	0.2 U	1.7	1.2	2.6	0.043 U	19	1.2	4	0.54	1.5	0.46 J	0.6 U
	04/29/11	ORIG	5.4	0.24	0.18 U	0.81	0.13 U	0.49	0.15 U	0.31	1.1 U	0.2 UJ	2.3	1.6	3	0.042 U	12	0.46	1.2	0.16	0.37	0.14 U	0.59 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Second Floor, Office 16																							
	05/31/11	ORIG	3.8	0.19 U	0.19 U	0.53	0.14 UJ	0.46 J	0.16 U	0.28	1.2 U	0.21 U	1.3	1	2.7	0.045 U	15	1	3.2	0.42	1.2	0.43 J	0.63 U
	06/29/11	ORIG	3.6	0.19	0.18 U	0.4	0.14 U	0.54	0.15 U	0.22	1.2 U	0.2 UJ	1.3	0.83	2.4	0.043 U	19	0.54	1.7	0.29	0.87	0.32	0.6 U
	07/27/11	ORIG	6.8	0.36	0.16 U	1	0.12 U	0.52	0.14 U	0.26	1 U	0.18 UJ	1.4 J	1.2	2.5	0.038 U	15	0.3	1	0.18	0.52	0.18	0.54 U
Second Floor, Office 17																							
	05/31/11	ORIG	3.8	0.19 U	0.2 U	0.52	0.18 J	0.55 J	0.16 U	1.5 J	1.2 U	0.22 U	1.4	1	2.7	0.046 U	15 J	1 J	3.2 J	0.43 J	1.2 J	0.42 J	0.64 U
	05/31/11	DUP	4.5	0.23	0.15 U	0.58	0.16 J	0.54 J	0.13 U	0.4 J	1.1	0.17 U	1.3	1	2.6	0.036 U	19 J	1.8 J	6.5 J	0.79 J	2.6 J	0.84 J	0.5 U
	06/29/11	ORIG	3.6	0.2	0.16 U	0.42	0.14	0.52	0.14 U	0.21	1 U	0.18 UJ	1.3	0.81	2.4	0.038 U	22	0.59	2.1	0.37	1	0.36	0.53 U
	06/29/11	DUP	3.4	0.18	0.18 U	0.37	0.18	0.5	0.15 U	0.2	1.1 U	0.19 UJ	1.2	0.78	2.4	0.041 U	25	0.56	1.8	0.3	0.85	0.34	0.58 U
	07/27/11	ORIG	5.8	0.3	0.22 U	0.85	0.17 U	0.44	0.19 U	0.23	1.4 U	0.25 UJ	1.3 J	1	2.5	0.053 U	12	0.33	1	0.18	0.53	0.2	0.74 U
	07/27/11	DUP	5.9	0.3	0.2 U	0.88	0.21	0.5	0.16 U	0.23	1.2 U	0.22 UJ	1.4 J	1	2.5	0.046 U	12	0.31	1.1	0.19	0.54	0.21	0.64 U

Notes:

Concentrations are reported in micrograms per cubic meter (ug/m³)

Concentrations for EPA samples are reported in ug/m³, which were calculated from ppb (v/v) results and then rounded to the appropriate number of significant figures.

Only compounds detected in one or more air samples more than once are shown.

VOCs analyzed by EPA Method TO-15 SIM.

U = Not detected at a concentration greater than the reporting limit shown.

J = Detected at an estimated concentration between the laboratory reporting and method detection limits, or estimated result due to field or laboratory quality control issues

E = Estimated concentration - exceeds upper calibration range of instrument.

-- = Analyte not reported.

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; CTC = Carbon tetrachloride; CBN = Chlorobenzene; CFM = Chloroform; MC = Methylene chloride; DCB = Dichlorobenzene; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; VC = Vinyl chloride; MTBE = Methyl tert-butyl ether.

Sample Type:

ORIG = Original sample

DUP = Duplicate sample

SPLIT = Split sample - analyzed by different laboratory than primary sample.

EPA = Sample collected by EPA

Table 2**Indoor Air Sampling Results - July 27, 2011**

Terra Pave - 12511 E. Putnam Street

Samples TP1 through TP3 and TP1 Split (Air Technology Laboratories)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations					Health Protective Screening Criteria				
	Indoor Building (ug/m ³)		Outdoor Air ³			Long-Term Exposure ¹		Short Term Exposure ²		
	minimum	maximum ⁴	ug/m ³			ug/m ³	Key	ug/m ³	Key	
1,1,1-Trichloroethane (1,1,1-TCA)	0.11	U	0.19	U	0.20	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.24	U	0.24	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.54		0.59		0.51		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.19	U	0.20	U	0.77	ca	--	--
1,1-Dichloroethane	0.12	U	0.81	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.063		0.084		0.071	U	880	nc	79	nc
1,2-Dichlorobenzene	0.18	U	0.60	U	0.22	U	880	nc	--	--
1,2-Dichloroethane	0.089		0.089		0.16		0.47	ca	--	--
1,4-Dichlorobenzene	0.18	UJ	0.25		0.22	UJ	1.1	ca	1,200	nc
Acetone	31	E	100	E	7.7		140,000	nc	31,000	nc
Benzene	0.59		7.0		1.6		1.6	ca	19	nc
Carbon Tetrachloride	0.49	J	0.60		0.49		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.54		0.16	U	220	nc	--	--
Chloroform	0.11		0.11		0.17	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.14	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.4		2.9		2.3		880	nc	--	--
Ethylbenzene	0.49	J	6.1		0.51		4.9	ca	3,000	nc
m,p-Xylenes	1.4	J	25		1.7		3,100	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.63	U	0.64	U	47	ca	2,500	nc
Methylene Chloride	0.69	U	1.4		1.2	U	26	ca	1,000	nc
o-Xylene	0.39	J	8.0		0.58		3,100	nc	2,600	nc
Tetrachloroethene (PCE)	0.57		0.86		0.40		2.1	ca	--	--
Toluene	3.8		36		4.2		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.69	U	0.71	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.16	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.081		0.081		0.19	U	6.1	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.3		1.5	J	1.2	J	3,100	nc	--	--
Vinyl chloride	0.026	U	0.045	U	0.046	U	2.8	ca	77	nc

ug/m³ = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed.

E = Chemical detected at levels above the calibration range. Quantitatively estimated

J = Quantitatively estimated

Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

Notes on Health Protective Screening Criteria:

¹ **Long-Term Exposure Criteria:** These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2010]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

² **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:

³ Ambient Air Sample AA1⁴ Maximum detected concentration.

Table 3
Indoor Air Sampling Results - July 27, 2011

Bishop - 12519 E. Putnam Street

Samples B1 through B3 (and B1 Duplicate)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria		
	Indoor Building (ug/m ³)			Outdoor Air ³		Long-Term Exposure ¹		Short Term Exposure ²	
	minimum	maximum ⁴	ug/m ³	ug/m ³	ug/m ³	Key	ug/m ³	Key	
1,1,1-Trichloroethane (1,1,1-TCA)	0.16	U	0.19	U	0.20	U	22,000	nc	3,800
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.20	U	0.24	U	0.24	U	0.21	ca	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.64		5.9		0.51		130,000	nc	--
1,1,2-Trichloroethane	0.16	U	0.19	U	0.20	U	0.77	ca	--
1,1-Dichloroethane	0.12	U	0.14	U	0.14	U	7.7	ca	--
1,1-Dichloroethene (1,1-DCE)	0.062		0.062		0.071	U	880	nc	79
1,2-Dichlorobenzene	0.18	U	0.21	U	0.22	U	880	nc	--
1,2-Dichloroethane	0.12	U	0.14	U	0.16		0.47	ca	--
1,4-Dichlorobenzene	0.18	UJ	0.21	UJ	0.22	UJ	1.1	ca	1,200
Acetone	12		19		7.7		140,000	nc	31,000
Benzene	0.36		0.49		1.6		1.6	ca	19
Carbon Tetrachloride	0.48	J	0.53	J	0.49		2.0	ca	190
Chlorobenzene	0.13	U	0.16	U	0.16	U	220	nc	--
Chloroform	0.14	U	0.17	U	0.17	U	0.53	ca	240
cis-1,2-Dichloroethene	0.12	U	0.14	U	0.14	U	--	--	--
Dichlorodifluoromethane (Freon 12)	2.4		2.6		2.3		880	nc	--
Ethylbenzene	0.15	U	0.75		0.51		4.9	ca	3,000
m,p-Xylenes	0.30	U	2.1		1.7		3,100	nc	2,600
Methyl tert-butyl ether	0.53	U	0.63	U	0.64	U	47	ca	2,500
Methylene Chloride	1.2	U	1.4		1.2	U	26	ca	1,000
o-Xylene	0.15	U	0.67		0.58		3,100	nc	2,600
Tetrachloroethene (PCE)	0.27		0.58		0.40		2.1	ca	--
Toluene	0.80	J	2.9		4.2		22,000	nc	--
trans-1,2-Dichloroethene	0.58	U	0.69	U	0.71	U	260	nc	800
trans-1,3-Dichloropropene	0.13	U	0.16	U	0.16	U	3.1	ca	36
Trichloroethene (TCE)	0.16	U	0.19	U	0.19	U	6.1	ca	540
Trichlorofluoromethane (Freon 11)	1.2		1.3		1.2	J	3,100	nc	--
Vinyl chloride	0.037	U	0.045	U	0.046	U	2.8	ca	77

ug/m³ = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed.

J = Quantitatively estimated

Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

Notes on Health Protective Screening Criteria :

¹ **Long-Term Exposure Criteria:** These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2010]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

² **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/> [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:

³ Ambient Air Sample AA1

⁴ Maximum detected concentration.

Table 4
Indoor Air Sampling Results - July 27, 2011

Regional Occupational Program (ROP) - 12519 East Washington Blvd.
 Samples ROP1 through ROP5 and ROP1 Split (Air Technology Laboratories)
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m ³)			Outdoor Air ³			Long-Term Exposure ¹		Short Term Exposure ²	
	minimum	maximum ⁴		ug/m ³		ug/m ³	Key	ug/m ³	Key	
1,1,1-Trichloroethane (1,1,1-TCA)	0.11	U	0.18	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.23	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.54		0.78		0.52		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.18	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.12	U	0.81	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.074		0.18		0.067	U	880	nc	79	nc
1,2-Dichlorobenzene	0.18	U	0.60	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.12	U	0.41		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.18	UJ	0.25		0.20	UJ	1.1	ca	1,200	nc
Acetone	11		22		12		140,000	nc	31,000	nc
Benzene	0.31		0.43		0.39		1.6	ca	19	nc
Carbon Tetrachloride	0.50	J	0.58		0.54		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.15	U	0.15	U	220	nc	--	--
Chloroform	0.13		0.49		0.16	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.13	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.2		2.8		2.5		880	nc	--	--
Ethylbenzene	0.19		1.3	J	0.18		4.9	ca	3,000	nc
m,p-Xylenes	0.55		3.0	J	0.50		3,100	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.60	U	0.60	U	47	ca	2,500	nc
Methylene Chloride	1.1	U	4.0		1.2	U	26	ca	1,000	nc
o-Xylene	0.20		1.3	J	0.19		3,100	nc	2,600	nc
Tetrachloroethene (PCE)	0.46		1.4		0.34		2.1	ca	--	--
Toluene	1.0		9.0	J	1.0		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.67	U	0.67	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.15	U	0.15	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.071		0.071		0.18	U	6.1	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.2		1.4		1.3	J	3,100	nc	--	--
Vinyl chloride	0.026	U	0.043	U	0.043	U	2.8	ca	77	nc

ug/m³ = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed.

J = Quantitatively estimated

Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria

nc = noncancer

ca = cancer

Notes on Health Protective Screening Criteria:

¹ **Long-Term Exposure Criteria:** These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2010]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

² **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:

³ Ambient Air Sample AA8

⁴ Maximum detected concentration.

Table 5**Indoor Air Sampling Results - July 27, 2011**

Women and Children's Crisis Shelter - 12519 East Washington Blvd.

Samples WCCS2 through WCCS4; WCCS6, WCCS7 (and WCCS7 Duplicate)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations					Health Protective Screening Criteria				
	Indoor Building (ug/m ³)		Outdoor Air ³		ug/m ³	Long-Term Exposure ¹		Short Term Exposure ²		
	minimum	maximum ⁴	ug/m ³	ug/m ³		ug/m ³	Key	ug/m ³	Key	
1,1,1-Trichloroethane (1,1,1-TCA)	0.15	U	0.22	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.19	U	0.28	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.0		2.6		0.52		130,000	nc	--	--
1,1,2-Trichloroethane	0.15	U	0.22	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.11	U	0.17	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.85		2.2		0.067	U	880	nc	79	nc
1,2-Dichlorobenzene	0.17	U	0.25	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.11	U	0.21		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.18	UJ	0.18	J	0.20	UJ	1.1	ca	1,200	nc
Acetone	9.9		28		12		140,000	nc	31,000	nc
Benzene	0.30		0.79		0.39		1.6	ca	19	nc
Carbon Tetrachloride	0.44		1.3	J	0.54		2.0	ca	190	nc
Chlorobenzene	0.13	U	0.19	U	0.15	U	220	nc	--	--
Chloroform	0.15	U	0.30		0.16	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.11	U	0.16	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.5		6.2		2.5		880	nc	--	--
Ethylbenzene	0.18		0.44		0.18		4.9	ca	3,000	nc
m,p-Xylenes	0.52		1.3		0.50		3,100	nc	2,600	nc
Methyl tert-butyl ether	0.50	U	0.74	U	0.60	U	47	ca	2,500	nc
Methylene Chloride	0.96	U	1.9		1.2	U	26	ca	1,000	nc
o-Xylene	0.18		0.47		0.19		3,100	nc	2,600	nc
Tetrachloroethene (PCE)	5.8		16		0.34		2.1	ca	--	--
Toluene	1.0		2.7		1.0		22,000	nc	--	--
trans-1,2-Dichloroethene	0.55	U	0.82	U	0.67	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.13	U	0.19	U	0.15	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.30		0.74		0.18	U	6.1	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.3	J	3.2	J	1.3	J	3,100	nc	--	--
Vinyl chloride	0.036	U	0.053	U	0.043	U	2.8	ca	77	nc

ug/m³ = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed

J = Quantitatively estimated

Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

Notes on Health Protective Screening Criteria:¹ **Long-Term Exposure Criteria:** These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens).For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2010]). Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.² **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days.(<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:³ Ambient Air Sample AA8⁴ Maximum detected concentration.

Table 6**Indoor Air Sampling Results - July 27, 2011**

Fred R. Rippy - 12471 E. Washington Blvd.

FRR1 through FRR3

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations				Health Protective Screening Criteria			
	Indoor Building (ug/m ³)		Outdoor Air ³		Long-Term Exposure ¹		Short Term Exposure ²	
	minimum	maximum ⁴	ug/m ³		ug/m ³	Key	ug/m ³	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.16	U	0.16	U	0.18	U	22,000	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.20	U	0.20	U	0.23	U	0.21	ca
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.1		3.7		0.52		130,000	nc
1,1,2-Trichloroethane	0.16	U	0.16	U	0.18	U	0.77	ca
1,1-Dichloroethane	0.12	U	0.12	U	0.14	U	7.7	ca
1,1-Dichloroethene (1,1-DCE)	1.5		8.9		0.067	U	880	nc
1,2-Dichlorobenzene	0.18	U	0.21		0.20	U	880	nc
1,2-Dichloroethane	0.12	U	0.12	U	0.14	U	0.47	ca
1,4-Dichlorobenzene	1.3	J	15	J	0.20	UJ	1.1	ca
Acetone	9.1		26		12		140,000	nc
Benzene	0.42		0.68		0.39		1.6	ca
Carbon Tetrachloride	0.50	J	0.57	J	0.54		2.0	ca
Chlorobenzene	0.13	U	0.14	U	0.15	U	220	nc
Chloroform	0.14	U	0.28		0.16	U	0.53	ca
cis-1,2-Dichloroethene	0.12	U	0.12	U	0.13	U	--	--
Dichlorodifluoromethane (Freon 12)	2.2		2.6		2.5		880	nc
Ethylbenzene	0.25		0.43		0.18		4.9	ca
m,p-Xylenes	0.80		1.2		0.50		3,100	nc
Methyl tert-butyl ether	0.53	U	0.54	U	0.60	U	47	ca
Methylene Chloride	1.2		1.3		1.2	U	26	ca
o-Xylene	0.29		0.48		0.19		3,100	nc
Tetrachloroethene (PCE)	6.2		19		0.34		2.1	ca
Toluene	1.6		2.7		1.0		22,000	nc
trans-1,2-Dichloroethene	0.58	U	0.59	U	0.67	U	260	nc
trans-1,3-Dichloropropene	0.13	U	0.14	U	0.15	U	3.1	ca
Trichloroethene (TCE)	0.48		1.4		0.18	U	6.1	ca
Trichlorofluoromethane (Freon 11)	1.4		2.4		1.3	J	3,100	nc
Vinyl chloride	0.037	U	0.038	U	0.043	U	2.8	ca

ug/m³ = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed

J = Quantitatively estimated

Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

Notes on Health Protective Screening Criteria:

¹ **Long-Term Exposure Criteria:** These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2010]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

² **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substance and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value multiplied by 1e-6

Sources:³ Ambient Air Sample AA8⁴ Maximum detected concentration.

Table 7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Ambient																							
Exterior fence between parking lots near Dental Annex																							
07/30/11	AGUIRRE		0.22 U	0.17 U	0.18 U	0.064 U	0.13 U	0.51	0.15 U	0.16 U	1.1 U	0.19 UJ	1.3	0.5	2.5	0.041 U	9.5	0.43	1.2	0.19	0.48	0.18	0.58 U
Regional Occupational Program																							
Boardroom																							
07/30/11	AGUIRRE		0.71	0.18 U	0.18 U	0.12	0.32	0.56	0.15 U	0.17	30	0.2 UJ	1.4 J	0.67	2.6	0.042 U	59	0.47	4.7	1.1	2.9	0.85	0.59 U
Rooftop																							
07/30/11	AGUIRRE		0.24 U	0.19 U	0.19 U	0.069 U	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.21 UJ	1.3	0.49	2.5	0.045 U	9.8	0.43	1.2	0.22	0.5	0.2	0.63 U
Room 100																							
07/30/11	AGUIRRE		0.5	0.17 U	0.18 U	0.11	0.13 U	0.56	0.15 U	0.16 U	8.3	0.19 UJ	1.4 J	0.63	2.7	0.041 U	39	0.44	3.7	0.91	2.6	0.94	0.58 U
Room 102																							
07/30/11	AGUIRRE		0.74	0.18 U	0.18 U	0.22	0.17	0.56	0.15 U	0.16 U	18	0.2 UJ	1.6	0.75	3	0.043 U	55	0.51	4.4	1.4	3.8	0.96	0.6 U
Room 103																							
07/30/11	AGUIRRE		0.55	0.19	0.18 U	0.14	0.14 U	0.58	0.15 U	0.16 U	12	0.2 UJ	1.4	0.66	2.7	0.043 U	40	0.46	3.1	0.8	2.1	0.63	0.6 U
Room 202																							
07/30/11	AGUIRRE		1	0.18 U	0.18 U	0.18	0.26	0.54	0.15 U	0.2	52	0.2 UJ	1.4 J	0.72	2.6	0.042 U	80 E	0.52	7.1	2	5.7	1.5	0.59 U
Room 205																							
07/30/11	AGUIRRE		1	0.18 U	0.18 U	0.2	0.22	0.56	0.15 U	0.2	48	0.2 UJ	1.4 J	0.7	2.6	0.043 U	76	0.52	6.7	1.6	4.5	1.2	0.6 U
Room 209																							
07/30/11	AGUIRRE		1.1	0.19 U	0.19 U	0.15	0.21	0.56	0.16 U	0.22	100	0.21 UJ	1.4 J	0.67	2.6	0.045 U	100 E	0.54	10	2.5	7.9	2.1	0.63 U
Room 211																							
07/30/11	AGUIRRE		1.2	0.37 U	0.37 U	0.14 U	0.28 U	0.56	0.31 U	0.33 U	170	0.41 UJ	1.4 J	0.65	2.6	0.087 U	110	0.55 U	13	3.4	11	2.9	1.2 U
Women and Children's Crisis Shelter																							
First Floor Great Room																							
07/30/11	AGUIRRE		2.6	0.17 U	0.18 U	0.34	0.13 U	0.63	0.15 U	0.2	1.1 U	0.19 UJ	1.3	0.66	2.5	0.041 U	24	0.36	1.2	0.27	0.8	0.28	0.58 U
Office Between Great Room and WCCS1																							
07/30/11	AGUIRRE		2.1	0.18 U	0.18 U	0.3	0.13 U	0.61	0.15 U	0.24	2.6	0.2 UJ	1.4	0.67	2.8	0.042 U	25	0.36	2.8	0.39	1.1	0.38	0.59 U

Notes:

Concentrations are reported in micrograms per cubic meter (ug/m³)

Only compounds detected in one or more air samples more than once at the Omega Chemical Superfund Site are shown.

VOCs analyzed by EPA Method TO-15 SIM.

U = Not detected at a concentration greater than the reporting limit shown.

J = Detected at an estimated concentration between the laboratory reporting and method detection limits, or estimated result due to field or laboratory quality control issues

E = Estimated concentration - exceeds upper calibration range of instrument.

-- = Analyte not reported.

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; CTC = Carbon tetrachloride; CBN = Chlorobenzene; CFM = Chloroform; MC = Methylene chloride; DCB = Dichlorobenzene; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; VC = Vinyl chloride; MTBE = Methyl tert-butyl ether.

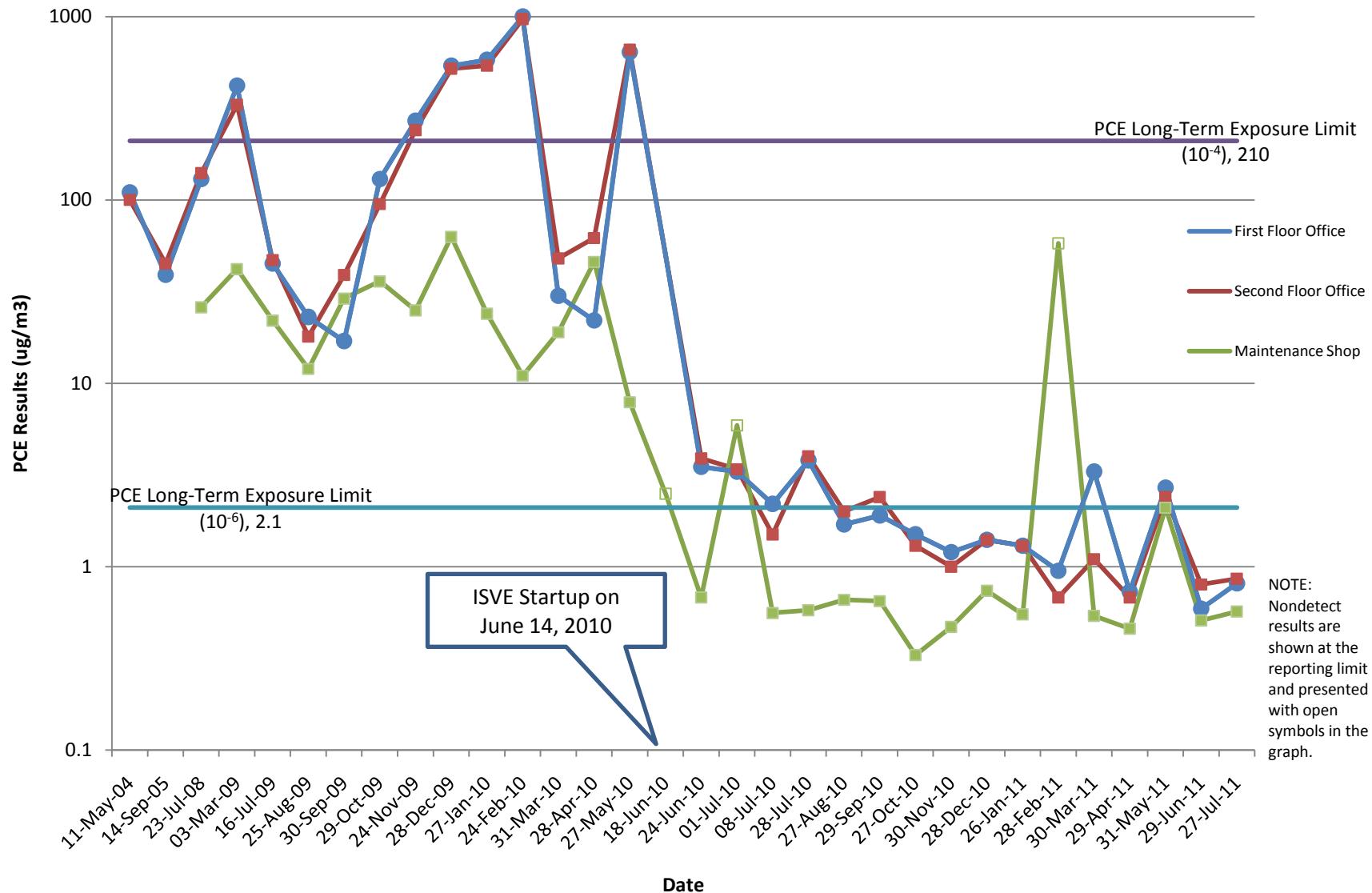
Sample Type:

AGUIRRE = Samples collected by CDM at locations selected by plaintiff's attorney.

Attachment C: Graphs of TCE and PCE Concentrations

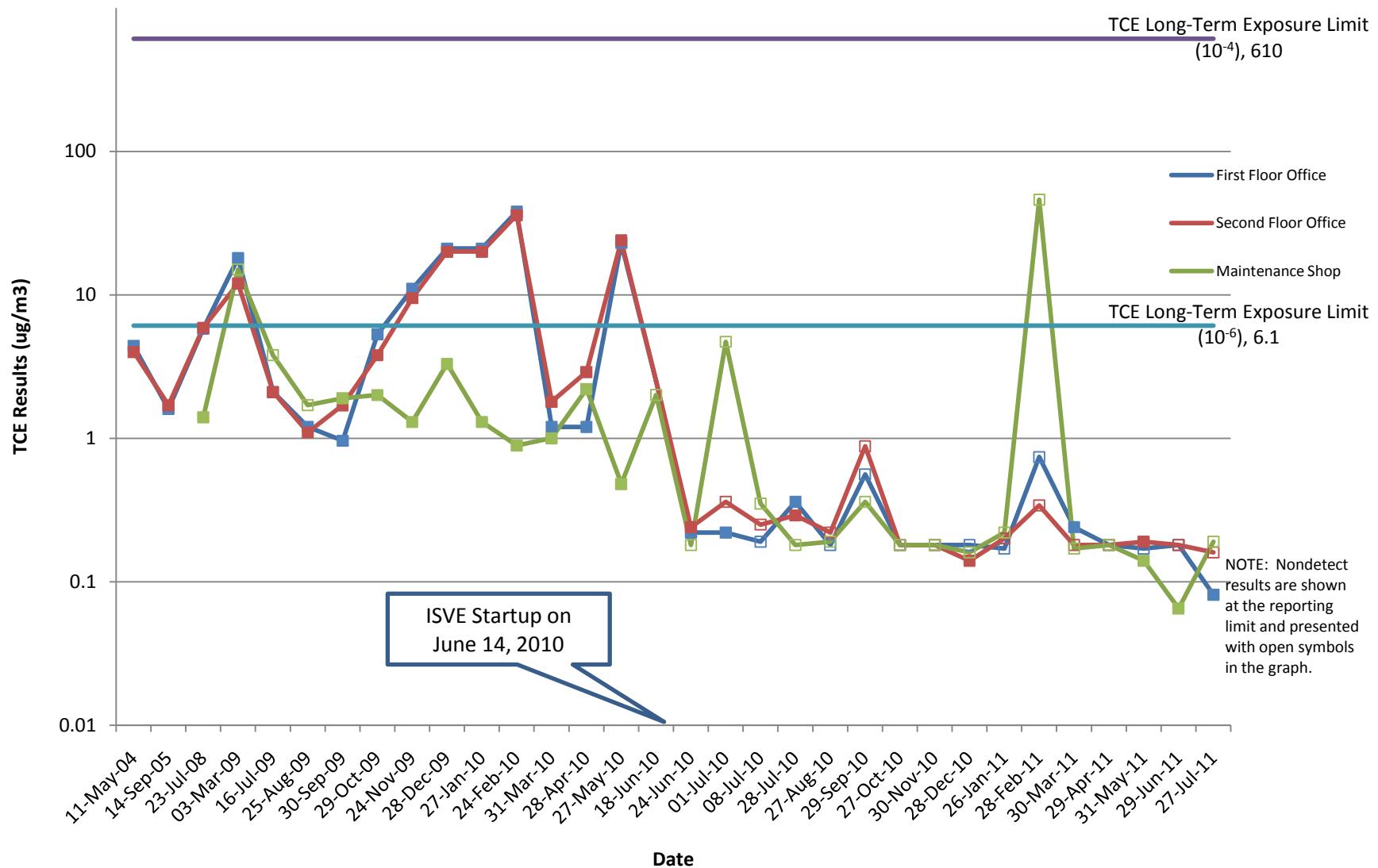
Tetrachloroethene (PCE) Results

Terra Pave Building

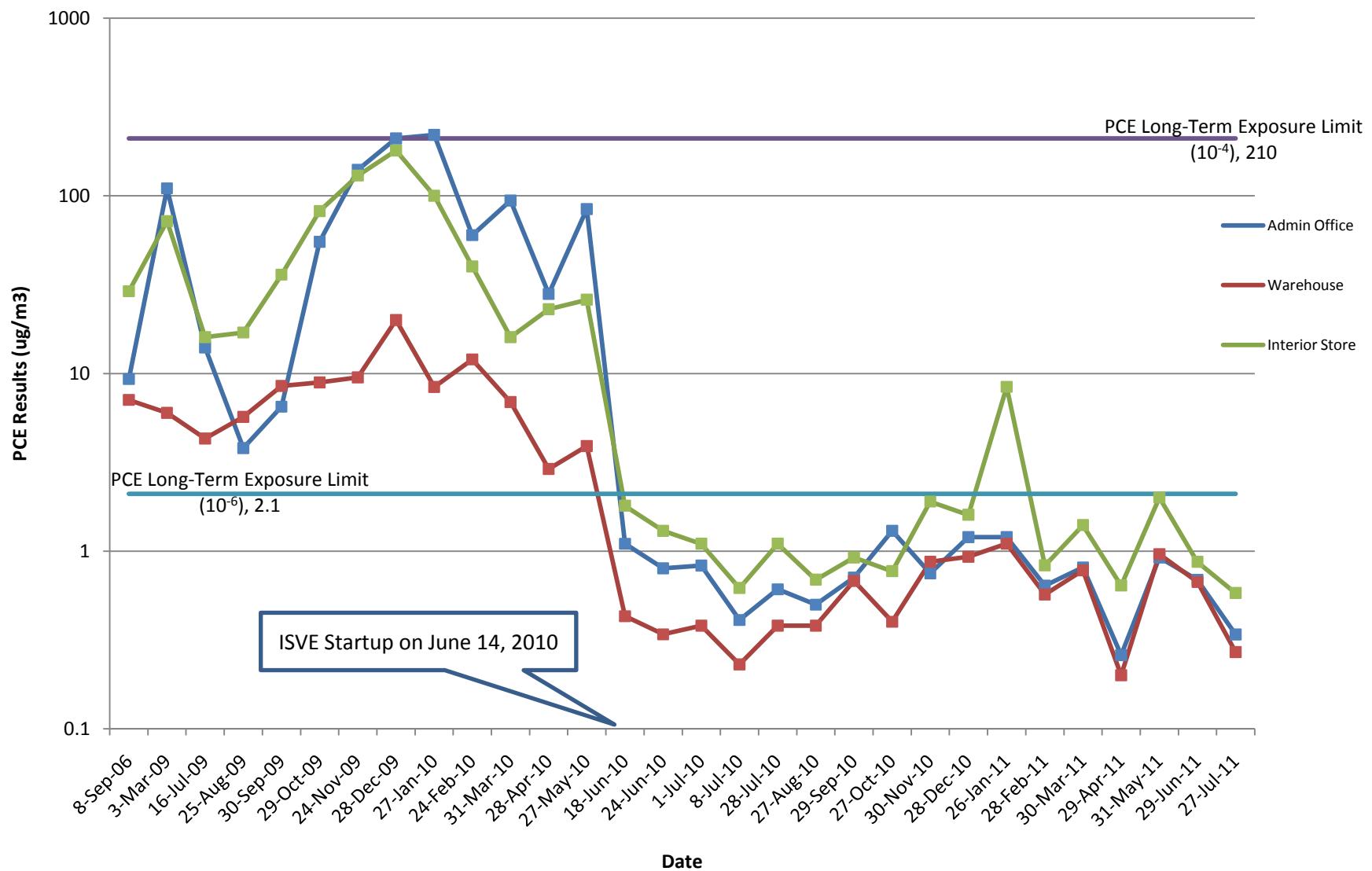


Trichloroethene (TCE) Results

Terra Pave Building

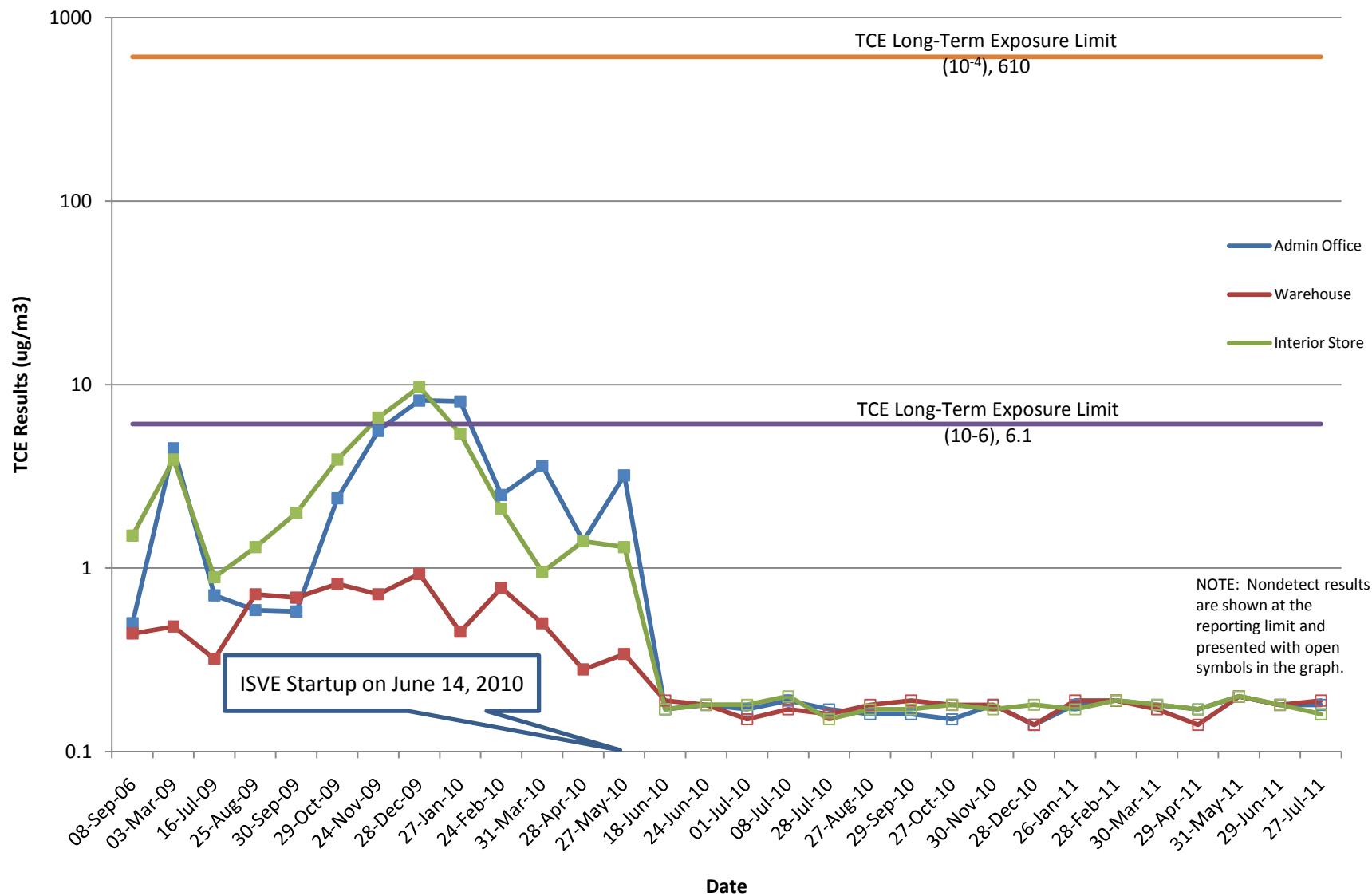


Tetrachloroethene (PCE) Results Bishop Building



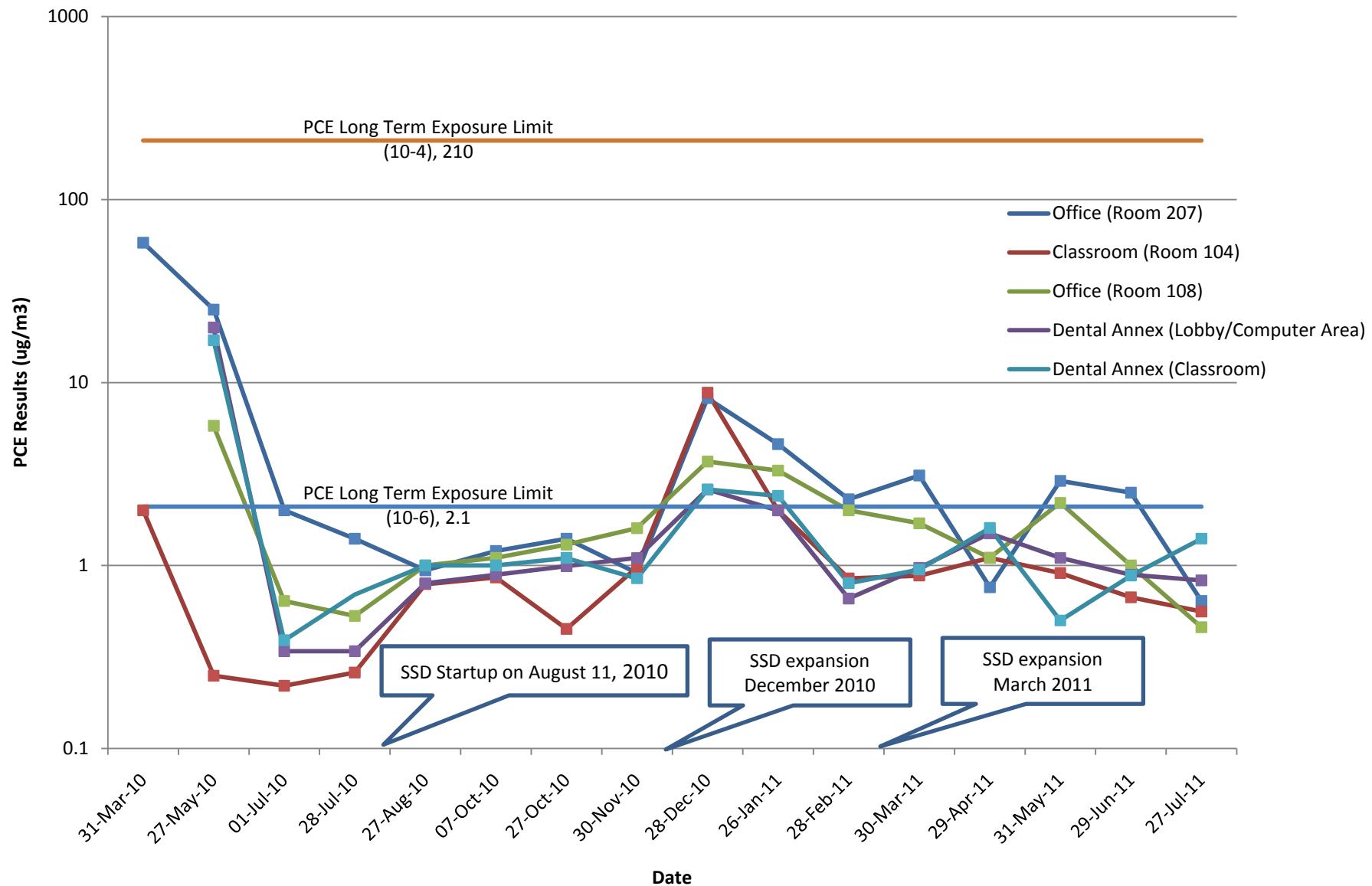
Trichloroethene (TCE) Results

Bishop Building



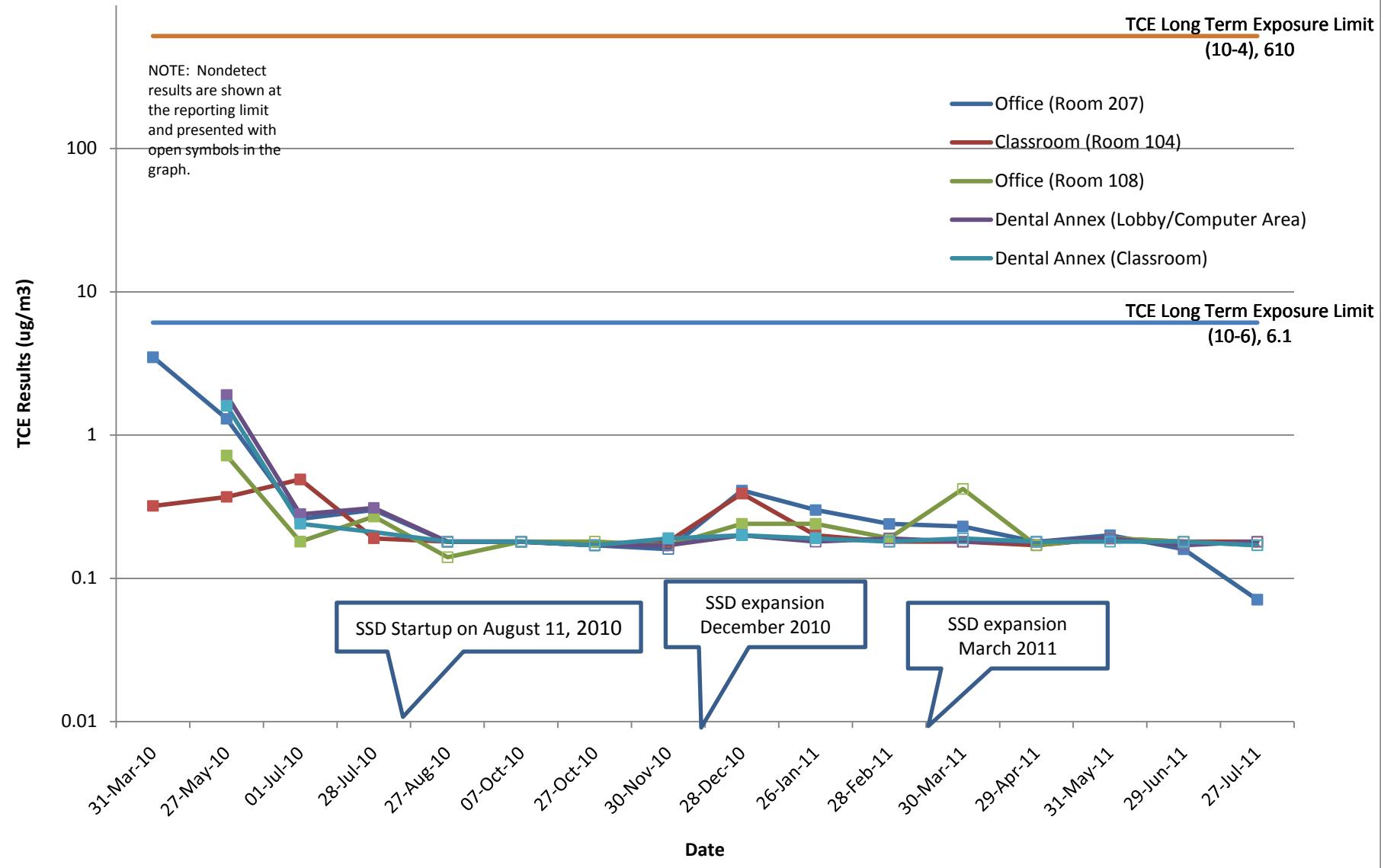
Tetrachloroethene (PCE) Results

Regional Occupational Program Building



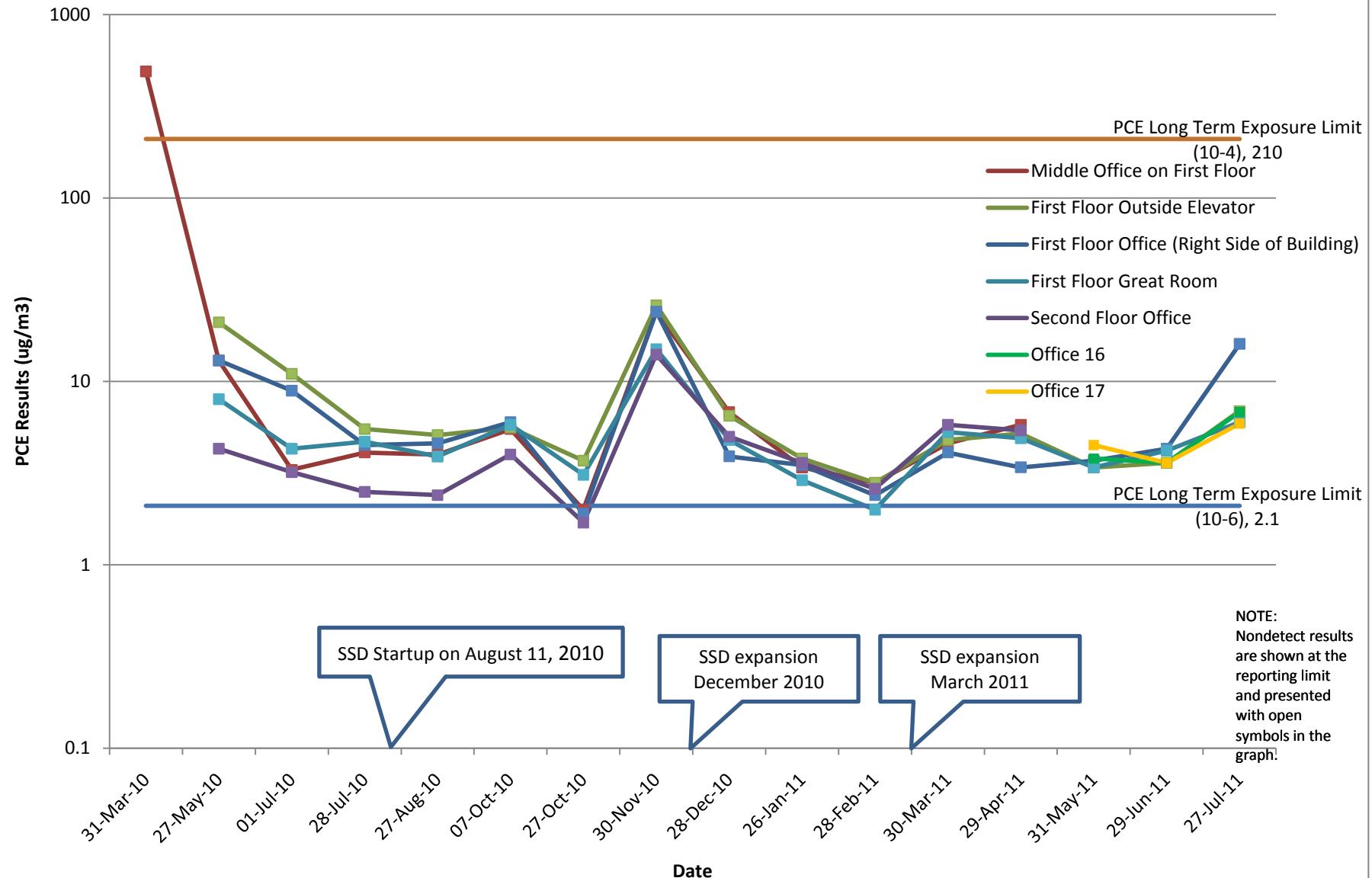
Trichloroethene (TCE) Results

Regional Occupational Program Building



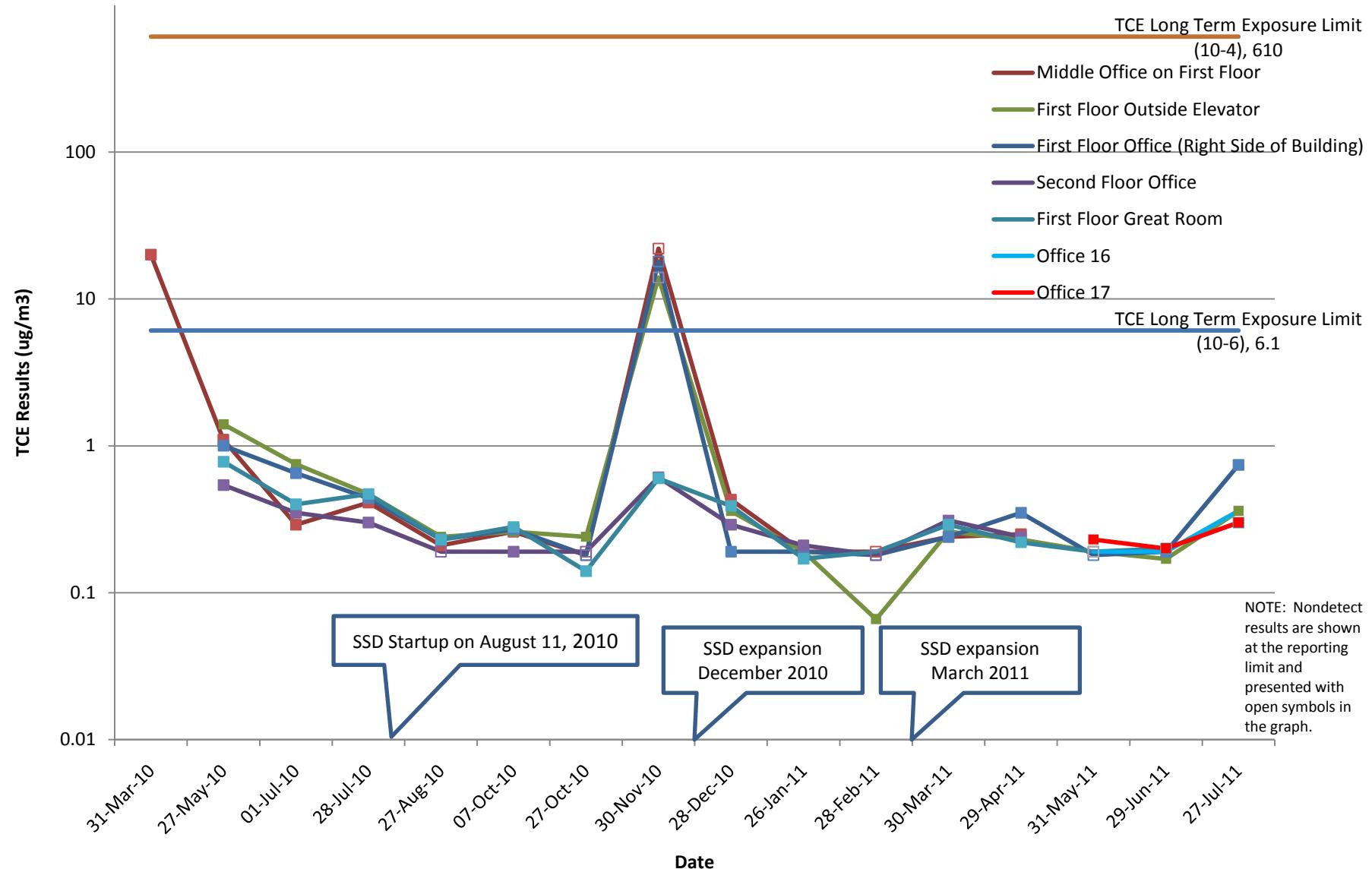
Tetrachloroethene (PCE) Results

Women's and Children's Crisis Shelter Building



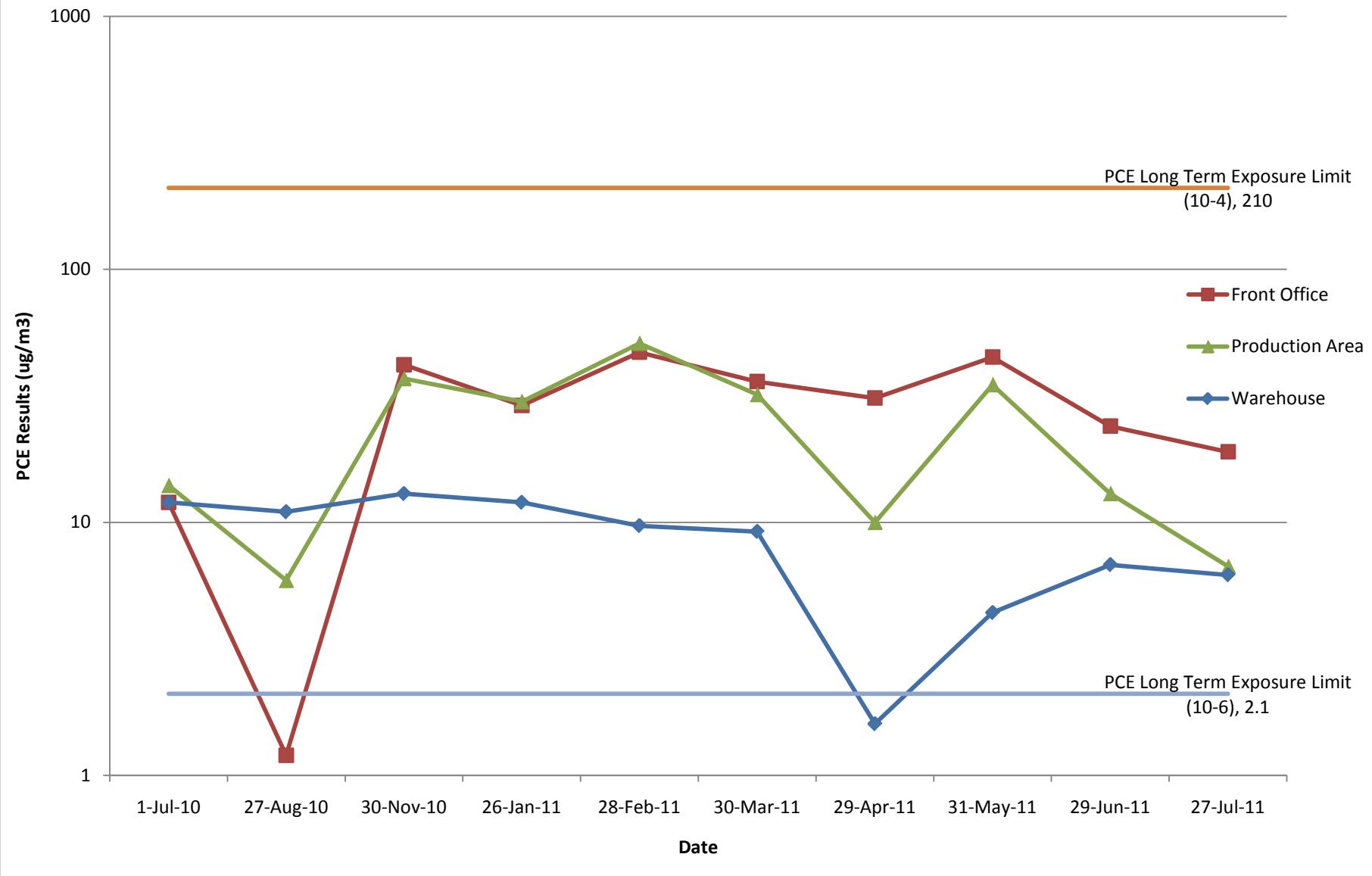
Trichloroethene (TCE) Results

Women's and Children's Crisis Shelter Building



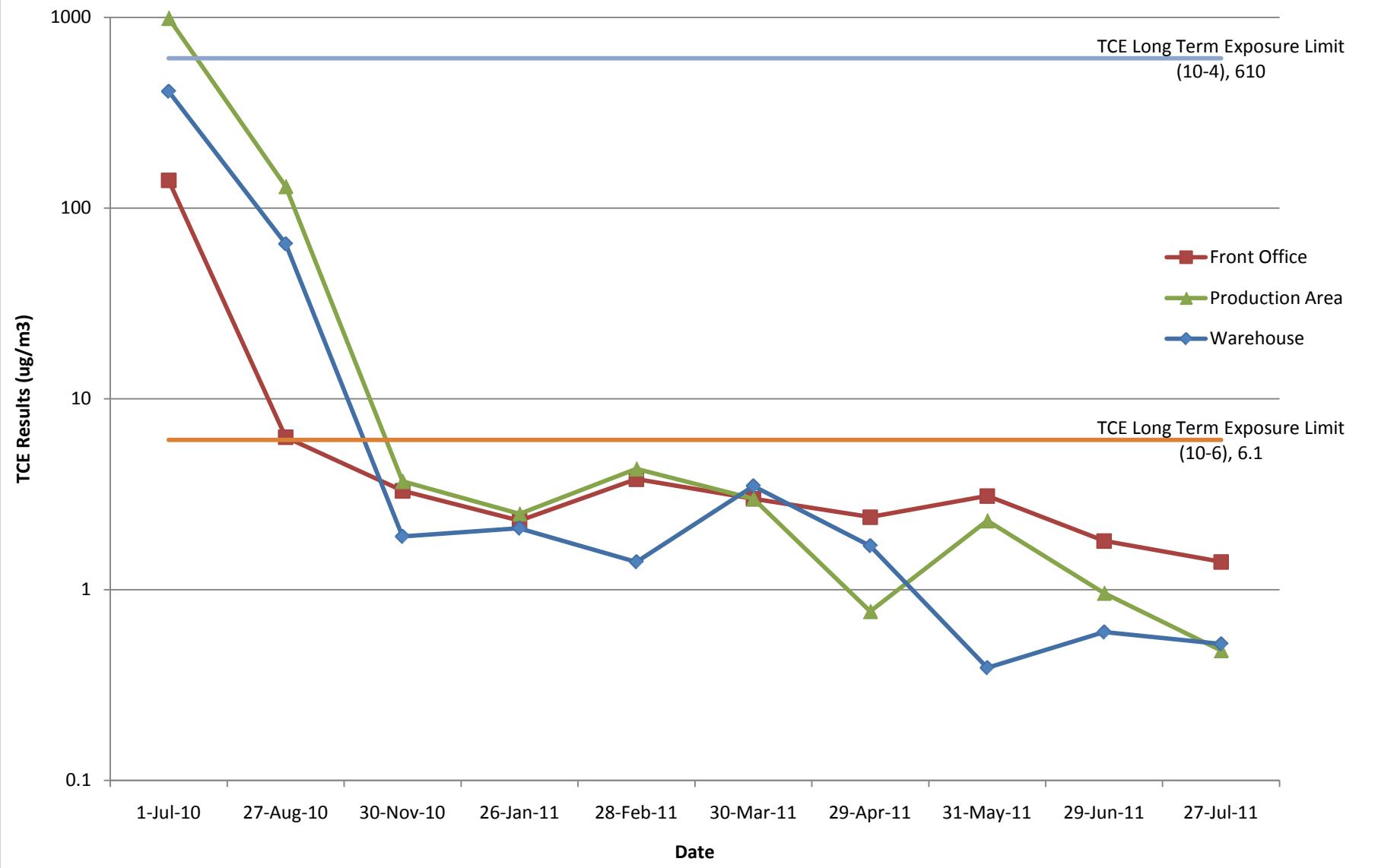
Tetrachloroethene (PCE) Results

Fred R. Rippy Building



Trichloroethene (TCE) Results

Fred R. Rippy Building



Attachment D: Laboratory Reports and Data Validation Memo

DATA VALIDATION REPORT

Project: Omega Chemical Superfund Site
Air Monitoring - July 2011

References: USEPA CLP National Functional Guidelines for Superfund Organic Data Review June 2008 (EPA540/R-08/01)

Compendium Method TO-15
Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)
January 1999

Air Toxics Limited Methods Manual, Method TO-14A/TO-15

Omega Chemical Superfund Site
Removal Action Work Plan, Appendix B (QAPP)
August 19, 2010

Reviewer: Elizabeth DeCola
CDM - Irvine, California

Date: August 17, 2011

Analytical Laboratory: Air Toxics Ltd. (Air Toxics)
Folsom, California

Laboratory Report Number: 1107522A
1107030B

DATA REVIEW

Twenty-two (22) air samples and two field duplicate samples were collected on July 27, 2011 (listed in the following table), and shipped via FedEx to Air Toxics. Additionally, two samples were sent to a second laboratory (AirTechnology) as split samples. The samples were analyzed for volatile organic compounds (VOCs) by Method TO-15 with Selective Ion Monitoring (SIM) Method. EPA's Functional Guidelines were used to assist in the process of the technical review of the data; however, QC criteria specified in the analytical method, Air Toxics' Methods Manual, and the Omega Removal Action Work Plan, Appendix B (QAPP) were used as the basis for acceptance or data qualification. Sample identification and collection dates are summarized in the following table.

Table 1- Summary of Analysis

<i>Sample ID</i>	<i>Lab Sample ID</i>	<i>Sample Type</i>	<i>Date Collected</i>	<i>Date Analyzed</i>
IAQ-FRR1-072711	1107522A-01A	Air	7/27/11	8/3/2011
IAQ-FRR2-072711	1107522A-02A	Air	7/27/11	8/3/2011
IAQ-FRR3-072711	1107522A-03A	Air	7/27/11	8/3/2011
IAQ-ROP1-072711	1107522A-04A	Air	7/27/11	8/3/2011
IAQ-ROP3-072711	1107522A-05A	Air	7/27/11	8/3/2011
IAQ-ROP2-072711	1107522A-06A	Air	7/27/11	8/3/2011
IAQ-ROP5-072711	1107522A-07A	Air	7/27/11	8/3/2011
IAQ-ROP4-072711	1107522A-08A	Air	7/27/11	8/3/2011
IAQ-AA9-072711	1107522A-09A	AA	7/27/11	8/3/2011
IAQ-B3-072711	1107522A-10A	Air	7/27/11	8/3/2011
IAQ-B2-072711	1107522A-11A	Air	7/27/11	8/3/2011
IAQ-B1-072711	1107522A-12A	Air	7/27/11	8/3/2011
IAQ-B1-072711-K	1107522A-13A	DUP	7/27/11	8/3/2011
IAQ-TP1-072711	1107522A-14A	Air	7/27/11	8/3/2011
IAQ-TP3-072711	1107522A-15A	Air	7/27/11	8/3/2011
IAQ-TP2-072711	1107522A-16A	Air	7/27/11	8/4/2011
IAQ-WCC3-072711	1107522A-17A	Air	7/27/11	8/4/2011
IAQ-WCC2-072711	1107522A-18A	Air	7/27/11	8/4/2011
IAQ-WCC4-072711	1107522A-19A	Air	7/27/11	8/4/2011
IAQ-WCC7-072711	1107522A-20A	Air	7/27/11	8/4/2011
IAQ-WCC7-072711-K	1107522B-21A	DUP	7/27/11	8/4/2011
IAQ-WCC6-072711	1107522B-22A	Air	7/27/11	8/4/2011
IAQ-AA8-072711	1107522B-23A	AA	7/27/11	8/4/2011
IAQ-AA1-072711	1107522B-24A	AA	7/27/11	8/4/2011

Notes:

AA = Ambient air sample
 DUP = Field duplicate air sample

VOLATILE ORGANIC COMPOUNDS ASSESSMENT - METHOD TO-15 SIM

Twenty-four (24) samples were analyzed for VOCs using TO-15 SIM.

I. TECHNICAL HOLDING TIMES

All technical holding times requirements were met. The air samples were collected on July 27, 2011 and analyzed within 8 days of sample collection. Some guidance suggests that samples for Method TO-15 should be analyzed within 14 days of sampling; however, Method TO-15 indicates that canisters can be stored for up to 30 days for many VOCs.

II. INITIAL CALIBRATION

Prior to the analysis of any samples or standards, an instrument performance check must be performed using 50 ng of 4-bromofluorobenzene (BFB). All ion abundances must meet the criteria listed in Table 3 of Method TO-15. Initial calibration of the instrument must be performed using a minimum of five standard concentrations that span the monitoring range of interest. One calibration point must be at the same concentration as the daily calibration standard and one point should be near the detection limit for the compound of interest. For initial calibration to be accepted, the calculated percent relative standard deviation (%RSD) for the relative response factor (RRF) for each compound in the calibration table must be less than 30 percent with at most two exceptions up to a limit of 40 percent.

Initial calibration was performed on July 14, 2011 for SIM analysis, using a minimum of five concentrations ranging from 0.003 to 20 parts per billion by volume (ppbv), which meets the method requirement. The %RSD for the mean RRF for all target compounds was less than 30 percent, except for 1,4- dichlorobenzene, which had a %RSD of 30.501%. Therefore, the 1,4- dichlorobenzene results in all samples are qualified as estimated (J-flagged) based on calibration nonconformances.

III. CONTINUING CALIBRATION

Prior to the analysis of samples and blanks but after tuning criteria (4-BFB), the initial calibration of the GC/MS must be verified (once every 12 to 24 hours) by analyzing a daily calibration verification standard (a midpoint check standard at 10 ppbv). The calibration verification standard must contain all target analytes. The percent difference (%D) between the continuing calibration RRF and the initial RRF must be within 30 percent in order to proceed with blanks and samples.

Samples were analyzed on August 3 and 4, 2011. Prior to sample analysis, a 50 ng BFB tuning standard was analyzed. Mass ion abundance criteria were met for the system. The percent difference was below 30 percent for all target analytes, except for carbon tetrachloride which had a %D of 30.7% on August 3, 2011. For all other compounds, the initial calibration was validated and continuing calibration criteria were met for the project requirements. Therefore, the carbon tetrachloride results analyzed on August 3, 2011 are qualified as estimated (J-flagged) based on calibration nonconformances. Table 1 lists the samples that were analyzed on August 3, 2011.

IV. METHOD BLANKS

A method blank must be analyzed with each batch of samples immediately after initial calibration is verified and before sample analysis. No target analytes were detected at concentrations above their respective reporting limits in the method blanks for the SIM analysis. All criteria were met and no further action is required for samples analyzed by SIM.

V. SURROGATES

Three surrogate spikes (1,2-dichloroethane-d4, toluene-d8 and 4-bromofluorobenzene) were added to each environmental sample, QC sample, and method blank. Surrogate spike control limits were established by the laboratory at 70 to 130 percent for all three surrogates.

All surrogate recoveries were within the acceptable method control limits.

VII. LABORATORY CONTROL SAMPLES (LCS)

Although not required by the method, LCS samples were analyzed with these samples. Additionally, LCSD duplicate (LCSD) samples were analyzed with these samples, as no laboratory duplicate was analyzed with the samples. Results from the LCS and LCSD samples were included in the analytical report. Acceptance limits, established by the laboratory, are 70 to 130 percent. All LCS and LCSD analyte recoveries were within the acceptable limits, except for Freon 11, which had a percent recovery above 130 percent in both the LCS and LCSD samples analyzed on August 4, 2011. The LCS and LCSD percent recoveries on August 4 were 139% and 141%, respectively. Based on the high LCS and LCSD recoveries, the detected Freon 11 results in samples analyzed on August 4, 2011 (IAQ-WCCS-072711-K, IAQ-WCCS6-072711, IAQ-AA8-072711, IAQ-AA1-072711, IAQ-TP2-072711, IAQ-WCCS3-072711, IAQ-WCCS2-072711, IAQ-WCCS4-072711, IAQ-WCCS7-072711) are qualified as estimated (J-flagged) due to LCS/ LCSD recoveries above criteria. The relative percent differences (RPDs) between detected analyte concentrations in the duplicate pairs were all less than 25 percent.

VIII. REGIONAL QUALITY ASSURANCE AND QUALITY CONTROL

Two field duplicates were collected during this sampling event. Sample IAQ-B1-072711-K is a duplicate of IAQ-B1-072711, sample IAQ-WCC7-072711-K is a duplicate sample of IAQ-WCC7-02711. Additionally, split samples were collected with samples IAQ-ROP1-072711, and IAQ-TP1-072711 and sent to a different laboratory (AirTech) and are discussed below.

The Omega RI/FS specified a duplicate collection frequency of 10 percent. Although not specified, a duplicate precision criterion of 20 percent was used for duplicate air samples (which is equal to the precision criteria for groundwater samples). If the results were detected at concentrations less than 5x the reporting limit, then the difference between the two results was evaluated against the criteria of \pm the reporting limit. Results were deemed within criteria if the difference was less than the reporting limit. Bolded results in the tables below indicate results that exceed criteria. As shown on the following tables, the RPDs between the primary and duplicate samples were within 20 percent for all analytes, except for the toluene results in the IAQ-B1-072711 field duplicate pair. Therefore, these results are considered usable, but as estimated (qualified with a "J") values.

Compound	IAQ-B1-072711 (ug/m3)	IAQ-B1-072711-K (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using +RL
Freon 12	2.4	2.6	8.00			
Freon 11	1.2	1.3	8.00			
Freon 113	1.5	1.6	6.45			
Carbon Tetrachloride	0.53	0.53	0.00			
Benzene	0.39	0.36	8.00			
Toluene	1.4	0.8	54.55	N		
Tetrachloroethene	0.34	0.29	15.87			
Ethyl Benzene	0.22	0.15 U	NC			
m,p-Xylene	0.66	0.30 U	NC			
o-Xylene	0.25	0.15 U	NC			
Acetone	12	12	0.00			

NC = Not Calculated

U = Not detected above reporting limit

Compound	IAQ-WCC7-072711 (ug/m3)	IAQ-WCC7-072711-K (ug/m3)	RPD
Freon 12	2.5	2.5	0.00
Freon 11	1.3	1.4	7.41
1,1-Dichloroethene	0.85	0.88	3.47
Freon 113	1.0	1.0	0.00
Chloroform	0.23	0.23	0.00
Carbon Tetrachloride	0.44	0.50	12.77
Benzene	0.33	0.31	6.25
1,2-Dichloroethane	0.17 U	0.21	NC
Trichloroethene	0.30	0.30	0.00
Toluene	1.0	1.1	9.52
Tetrachloroethene	5.8	5.9	1.71
Ethyl Benzene	0.18	0.19	5.41
m,p-Xylene	0.5	0.54	1.87
o-Xylene	0.20	0.21	4.88
Acetone	12	12	0.00

NC = Not Calculated

U = Not detected above reporting limit

Split samples for samples IAQ-TP1-072711 and IAQ-ROP1-072711 were submitted to an independent laboratory (AirTech) to check precision between laboratories. As shown on the following tables, the precision exceeded the RPD of 20 percent for, toluene, ethylbenzene, m,p-xylenes, and o-xylene, in the IAQ-ROP1-072711 split sample pair. The precision exceeded the RPD of 20 percent for toluene, ethylbenzene, m,p-xylenes, o-xylene and acetone results for the IAQ-TP1 -072711 split sample pair. Therefore, these results are estimated (flagged with a "J") due to field duplicate imprecision.

Compound	IAQ-ROP1-072711 (ug/m3)	IAQ-ROP1-072711-K2 (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using \pmRL
Freon 12	2.6	2.8	7.41			
Freon 11	1.4	1.3	7.41			
1,1-Dichloroethene	0.10	0.11	9.52			
Freon 113	0.67	0.78	15.17			
Chloroform	0.15 U	0.13	NC			
Carbon Tetrachloride	0.58	0.58	0.00			
Benzene	0.32	0.43	29.33	Y	0.11	0.24/0.16
1,2-Dichloroethane	0.12 U	0.41	NC			
Trichloroethene	0.16 U	0.071	NC			
Toluene	1.8	9.0	133.33	N		
Tetrachloroethene	0.56	0.64	13.33			
Ethyl Benzene	0.39	1.3	107.69	N		
m,p-Xylene	1.0	3.0	100.00	N		
o-Xylene	0.39	1.3	107.69	N		
1,4-Dichlorobenzene	0.18 U	0.25	NC			
Acetone	22	20	9.52			
Methylene Chloride	3.9	4.0	2.53			

NC = Not Calculated

U = Not detected above reporting limit

Compound	IAQ-TP1-072711 (ug/m3)	IAQ-TP1-072711-K2 (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using \pmRL
Freon 12	2.4	2.9	18.87			
Freon 11	1.3	1.3	0.00			
1,1-Dichloroethene	0.063	0.084	28.57	Y	0.02	0.063/0.040
Freon 113	0.54	0.56	3.64			
Chloroform	0.15 U	0.11	NC			
Carbon Tetrachloride	0.49	0.60	20.18	Y	0.11	0.20/0.13
Benzene	0.59	0.68	14.17			
Trichloroethene	0.17 U	0.081	NC			
Toluene	3.9	5.5	34.04	N		
Tetrachloroethene	0.78	0.81	3.77			
Ethyl Benzene	0.49	0.88	56.93	N		
m,p-Xylene	1.4	2.8	66.67	N		
o-Xylene	0.39	1.1	95.30	N		
1,4-Dichlorobenzene	0.19 U	0.25	NC			
1,2-Dichloroethane	0.13 U	0.089	NC			
Acetone	45	31	36.84	N		

NC = Not Calculated

U = Not detected above reporting limit

In addition, the laboratory summary QC data for the split samples, including laboratory blanks, LCS, and LCS duplicate data were reviewed; however calibration and raw data were not provided for these samples. Benzene and 1,1,1-trichloroethane were detected in the method blank but at concentrations below the reporting limits. Based on the limited data review, no qualification was needed.

IX. INTERNAL STANDARDS

Internal standard (IS) area counts and retention times for samples were within validation criteria. IS area counts for all samples analyzed were within \pm 40 percent of the CCV's IS area; and IS retention times were within 0.33 minutes from the retention time of the associated daily standard, which meet criteria specified in Method TO-15.

X. TARGET COMPOUND IDENTIFICATION

All positive compound identifications were confirmed through the mass spectra library.

XI. COMPOUND QUANTITATION

Several positive results were recalculated to ensure that compound quantitation was accurate. No errors were encountered. Compound quantitation was based on the initial calibration average RF.

XII. SYSTEM PERFORMANCE

The system performance was acceptable.

XIII. ION ABUNDANCE CRITERIA

The mass calibration and tune files were reviewed to confirm that the ion abundance criteria met TO-15 criteria (Table 3). All ion abundance criteria were met.

XIV. OVERALL ASSESSMENT OF VOC DATA

All QC criteria evaluated during data validation of the VOC analyses were within acceptable limits, except for several analytes that were qualified based on lab calibration nonconformances, LCS/LSCD recovery, or field duplicate imprecision, which are discussed below.

In summary, the 1,4-dichlorobenzene results in all samples are qualified as estimated (J-flagged) based on calibration nonconformances. Additionally, the carbon tetrachloride results analyzed on August 3, 2011 are qualified as estimated (J-flagged) based on calibration nonconformances. Table 1 lists the samples that were analyzed on August 3, 2011. The detected Freon 11 results in samples analyzed on August 4, 2011 (IAQ-WCCS7-072711-K, IAQ-WCCS6-072711, IAQ-AA8-072711, IAQ-AA1-072711, IAQ-TP2-072711, IAQ-WCCS3-072711, IAQ-WCCS2-072711, IAQ-WCCS4-072711, IAQ-WCCS7-072711) are qualified as estimated (J-flagged) due to LCS/ LCSD recoveries above criteria.

The toluene results in the IAQ-B1-072711 field duplicate pair were qualified as estimated (flagged with a "J") due to field duplicate imprecision.

The toluene, ethylbenzene, m,p-xlenes, and o-xylene results in the IAQ-ROP1-072711 split sample pair were qualified as estimated (flagged with a "J") due to split sample imprecision. The toluene, ethylbenzene, m,p-xlenes, o-xylene and acetone results for the IAQ-TP1 -072711 split sample pair were estimated (flagged with a "J") due to split sample imprecision.

8/11/2011

Ms. Sharon Wallin

CDM

111 Academy Street

Suite 150

Irvine CA 92617

Project Name: Omega IAQ

Project #: 10500-76051

Workorder #: 1107522A

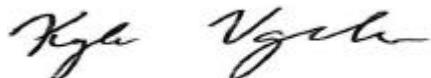
Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 7/29/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

WORK ORDER #: 1107522A

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM 111 Academy Street Suite 150 Irvine, CA 92617	BILL TO:	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	P.O. #	
FAX:	949-725-3790	PROJECT #	10500-76051 Omega IAQ
DATE RECEIVED:	07/29/2011	CONTACT:	Kyle Vagadori
DATE COMPLETED:	08/11/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IAQ-FRR1-072711	Modified TO-15 SIM	2.5 "Hg	5 psi
02A	IAQ-FRR2-072711	Modified TO-15 SIM	3.0 "Hg	5 psi
03A	IAQ-FRR3-072711	Modified TO-15 SIM	3.0 "Hg	5 psi
04A	IAQ-ROP1-072711	Modified TO-15 SIM	3.5 "Hg	5 psi
05A	IAQ-ROP3-072711	Modified TO-15 SIM	4.5 "Hg	5 psi
06A	IAQ-ROP2-072711	Modified TO-15 SIM	6.0 "Hg	5 psi
07A	IAQ-ROP5-072711	Modified TO-15 SIM	4.0 "Hg	5 psi
08A	IAQ-ROP4-072711	Modified TO-15 SIM	5.5 "Hg	5 psi
09A	IAQ-AA9-072711	Modified TO-15 SIM	6.5 "Hg	5 psi
10A	IAQ-B3-072711	Modified TO-15 SIM	7.0 "Hg	5 psi
11A	IAQ-B2-072711	Modified TO-15 SIM	2.5 "Hg	5 psi
12A	IAQ-B1-072711	Modified TO-15 SIM	6.5 "Hg	5 psi
13A	IAQ-B1-072711-K	Modified TO-15 SIM	6.5 "Hg	5 psi
14A	IAQ-TP1-072711	Modified TO-15 SIM	4.5 "Hg	5 psi
15A	IAQ-TP3-072711	Modified TO-15 SIM	7.0 "Hg	5 psi
16A	IAQ-TP2-072711	Modified TO-15 SIM	3.0 "Hg	5 psi
17A	IAQ-WCCS3-072711	Modified TO-15 SIM	3.5 "Hg	5 psi

Continued on next page

WORK ORDER #: 1107522A

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM 111 Academy Street Suite 150 Irvine, CA 92617	BILL TO:	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	P.O. #	
FAX:	949-725-3790	PROJECT #	10500-76051 Omega IAQ
DATE RECEIVED:	07/29/2011	CONTACT:	Kyle Vagadori
DATE COMPLETED:	08/11/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
18A	IAQ-WCCS2-072711	Modified TO-15 SIM	1.0 "Hg	5 psi
19A	IAQ-WCCS4-072711	Modified TO-15 SIM	4.5 "Hg	5 psi
20A	IAQ-WCCS7-072711	Modified TO-15 SIM	10.5 "Hg	5 psi
21A	Lab Blank	Modified TO-15 SIM	NA	NA
21B	Lab Blank	Modified TO-15 SIM	NA	NA
22A	CCV	Modified TO-15 SIM	NA	NA
22B	CCV	Modified TO-15 SIM	NA	NA
23A	LCS	Modified TO-15 SIM	NA	NA
23AA	LCSD	Modified TO-15 SIM	NA	NA
23B	LCS	Modified TO-15 SIM	NA	NA
23BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



DATE: 08/11/11

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15 SIM
CDM
Workorder# 1107522A**

Twenty 6 Liter Summa Canister (SIM Certified) samples were received on July 29, 2011. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+ - 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-FRR1-072711

Lab ID#: 1107522A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.029	0.51	0.14	2.5
Freon 11	0.029	0.43	0.16	2.4
1,1-Dichloroethene	0.015	2.2	0.058	8.9
Freon 113	0.029	0.48	0.22	3.7
Chloroform	0.029	0.056	0.14	0.28
Carbon Tetrachloride	0.029	0.090 J	0.18	0.56 J
Benzene	0.073	0.13	0.23	0.42
Trichloroethene	0.029	0.27	0.16	1.4
Toluene	0.029	0.48	0.11	1.8
Tetrachloroethene	0.029	2.9	0.20	19
Ethyl Benzene	0.029	0.074	0.13	0.32
m,p-Xylene	0.058	0.23	0.25	0.99
o-Xylene	0.029	0.085	0.13	0.37
1,4-Dichlorobenzene	0.029	2.4	0.18	15
1,2-Dichlorobenzene	0.029	0.034	0.18	0.21
Acetone	0.73	11	1.7	26
Methylene Chloride	0.29	0.33	1.0	1.2

Client Sample ID: IAQ-FRR2-072711

Lab ID#: 1107522A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.54	0.15	2.6
Freon 11	0.030	0.27	0.17	1.5
1,1-Dichloroethene	0.015	0.49	0.059	1.9
Freon 113	0.030	0.15	0.23	1.1
Carbon Tetrachloride	0.030	0.091 J	0.19	0.57 J
Benzene	0.074	0.14	0.24	0.45
Trichloroethene	0.030	0.088	0.16	0.48
Toluene	0.030	0.42	0.11	1.6
Tetrachloroethene	0.030	0.99	0.20	6.7



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-FRR2-072711

Lab ID#: 1107522A-02A

Ethyl Benzene	0.030	0.058	0.13	0.25
m,p-Xylene	0.060	0.18	0.26	0.80
o-Xylene	0.030	0.068	0.13	0.29
1,4-Dichlorobenzene	0.030	0.86	0.18	5.2
Acetone	0.74	5.5	1.8	13
Methylene Chloride	0.30	0.39	1.0	1.3

Client Sample ID: IAQ-FRR3-072711

Lab ID#: 1107522A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.44	0.15	2.2
Freon 11	0.030	0.25	0.17	1.4
1,1-Dichloroethene	0.015	0.38	0.059	1.5
Freon 113	0.030	0.16	0.23	1.2
Carbon Tetrachloride	0.030	0.079 J	0.19	0.50 J
Benzene	0.074	0.21	0.24	0.68
Trichloroethene	0.030	0.096	0.16	0.52
Toluene	0.030	0.73	0.11	2.7
Tetrachloroethene	0.030	0.91	0.20	6.2
Ethyl Benzene	0.030	0.10	0.13	0.43
m,p-Xylene	0.060	0.29	0.26	1.2
o-Xylene	0.030	0.11	0.13	0.48
1,4-Dichlorobenzene	0.030	0.22	0.18	1.3
Acetone	0.74	3.8	1.8	9.1
Methylene Chloride	0.30	0.38	1.0	1.3

Client Sample ID: IAQ-ROP1-072711

Lab ID#: 1107522A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.54	0.15	2.6
Freon 11	0.030	0.24	0.17	1.4



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-ROP1-072711

Lab ID#: 1107522A-04A

1,1-Dichloroethene	0.015	0.025	0.060	0.10
Freon 113	0.030	0.088	0.23	0.67
Carbon Tetrachloride	0.030	0.092 J	0.19	0.58 J
Benzene	0.076	0.10	0.24	0.32
Toluene	0.030	0.49	0.11	1.8
Tetrachloroethene	0.030	0.082	0.21	0.56
Ethyl Benzene	0.030	0.090	0.13	0.39
m,p-Xylene	0.061	0.24	0.26	1.0
o-Xylene	0.030	0.089	0.13	0.39
Acetone	0.76	9.4	1.8	22
Methylene Chloride	0.30	1.1	1.0	3.9

Client Sample ID: IAQ-ROP3-072711

Lab ID#: 1107522A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.52	0.16	2.5
Freon 11	0.032	0.23	0.18	1.3
1,1-Dichloroethene	0.016	0.019	0.063	0.074
Freon 113	0.032	0.078	0.24	0.60
Carbon Tetrachloride	0.032	0.081 J	0.20	0.51 J
Benzene	0.079	0.11	0.25	0.34
Toluene	0.032	0.60	0.12	2.3
Tetrachloroethene	0.032	0.068	0.21	0.46
Ethyl Benzene	0.032	0.080	0.14	0.35
m,p-Xylene	0.063	0.20	0.27	0.86
o-Xylene	0.032	0.070	0.14	0.30
Acetone	0.79	7.4	1.9	18
Methylene Chloride	0.32	0.65	1.1	2.2

Client Sample ID: IAQ-ROP2-072711

Lab ID#: 1107522A-06A



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-ROP2-072711

Lab ID#: 1107522A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.46	0.17	2.2
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	0.023	0.067	0.091
Freon 113	0.034	0.074	0.26	0.56
Carbon Tetrachloride	0.034	0.080 J	0.21	0.50 J
Benzene	0.084	0.10	0.27	0.33
Toluene	0.034	0.31	0.13	1.2
Tetrachloroethene	0.034	0.083	0.23	0.56
Ethyl Benzene	0.034	0.044	0.14	0.19
m,p-Xylene	0.067	0.13	0.29	0.55
o-Xylene	0.034	0.047	0.14	0.20
Acetone	0.84	5.9	2.0	14

Client Sample ID: IAQ-ROP5-072711

Lab ID#: 1107522A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.51	0.15	2.5
Freon 11	0.031	0.23	0.17	1.3
1,1-Dichloroethene	0.016	0.045	0.061	0.18
Freon 113	0.031	0.078	0.24	0.60
Chloroform	0.031	0.10	0.15	0.49
Carbon Tetrachloride	0.031	0.083 J	0.20	0.52 J
Benzene	0.078	0.096	0.25	0.31
Toluene	0.031	0.27	0.12	1.0
Tetrachloroethene	0.031	0.21	0.21	1.4
Ethyl Benzene	0.031	0.044	0.13	0.19
m,p-Xylene	0.062	0.14	0.27	0.59
o-Xylene	0.031	0.049	0.13	0.21
Acetone	0.78	5.0	1.8	12



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-ROP4-072711

Lab ID#: 1107522A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.49	0.16	2.4
Freon 11	0.033	0.22	0.18	1.2
1,1-Dichloroethene	0.016	0.025	0.065	0.098
Freon 113	0.033	0.071	0.25	0.54
Chloroform	0.033	0.037	0.16	0.18
Carbon Tetrachloride	0.033	0.080 J	0.21	0.50 J
Benzene	0.082	0.11	0.26	0.35
Toluene	0.033	0.30	0.12	1.1
Tetrachloroethene	0.033	0.12	0.22	0.83
Ethyl Benzene	0.033	0.047	0.14	0.20
m,p-Xylene	0.066	0.14	0.28	0.63
o-Xylene	0.033	0.054	0.14	0.23
Acetone	0.82	4.6	1.9	11

Client Sample ID: IAQ-AA9-072711

Lab ID#: 1107522A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.49	0.17	2.4
Freon 11	0.034	0.21	0.19	1.2
Freon 113	0.034	0.065	0.26	0.50
Carbon Tetrachloride	0.034	0.080 J	0.22	0.50 J
Benzene	0.086	0.12	0.27	0.39
Toluene	0.034	0.32	0.13	1.2
Ethyl Benzene	0.034	0.045	0.15	0.20
m,p-Xylene	0.068	0.14	0.30	0.61
o-Xylene	0.034	0.052	0.15	0.23
Acetone	0.86	4.8	2.0	11

Client Sample ID: IAQ-B3-072711

Lab ID#: 1107522A-10A



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-B3-072711

Lab ID#: 1107522A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.48	0.17	2.4
Freon 11	0.035	0.21	0.20	1.2
Freon 113	0.035	0.084	0.27	0.64
Carbon Tetrachloride	0.035	0.076 J	0.22	0.48 J
Benzene	0.088	0.14	0.28	0.44
Toluene	0.035	0.54	0.13	2.0
Tetrachloroethene	0.035	0.039	0.24	0.27
Ethyl Benzene	0.035	0.058	0.15	0.25
m,p-Xylene	0.070	0.16	0.30	0.71
o-Xylene	0.035	0.059	0.15	0.26
Acetone	0.88	5.7	2.1	14

Client Sample ID: IAQ-B2-072711

Lab ID#: 1107522A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.029	0.50	0.14	2.4
Freon 11	0.029	0.22	0.16	1.2
1,1-Dichloroethene	0.015	0.016	0.058	0.062
Freon 113	0.029	0.78	0.22	5.9
Carbon Tetrachloride	0.029	0.079 J	0.18	0.50 J
Benzene	0.073	0.15	0.23	0.49
Toluene	0.029	0.77	0.11	2.9
Tetrachloroethene	0.029	0.085	0.20	0.58
Ethyl Benzene	0.029	0.17	0.13	0.75
m,p-Xylene	0.058	0.47	0.25	2.1
o-Xylene	0.029	0.15	0.13	0.67
Acetone	0.73	8.0	1.7	19
Methylene Chloride	0.29	0.41	1.0	1.4



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-B1-072711

Lab ID#: 1107522A-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.49	0.17	2.4
Freon 11	0.034	0.22	0.19	1.2
Freon 113	0.034	0.20	0.26	1.5
Carbon Tetrachloride	0.034	0.085 J	0.22	0.53 J
Benzene	0.086	0.12	0.27	0.39
Toluene	0.034	0.36	0.13	1.4
Tetrachloroethene	0.034	0.050	0.23	0.34
Ethyl Benzene	0.034	0.050	0.15	0.22
m,p-Xylene	0.068	0.15	0.30	0.66
o-Xylene	0.034	0.057	0.15	0.25
Acetone	0.86	5.2	2.0	12

Client Sample ID: IAQ-B1-072711-K

Lab ID#: 1107522A-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.52	0.17	2.6
Freon 11	0.034	0.23	0.19	1.3
Freon 113	0.034	0.21	0.26	1.6
Carbon Tetrachloride	0.034	0.085 J	0.22	0.53 J
Benzene	0.086	0.11	0.27	0.36
Toluene	0.034	0.21	0.13	0.80
Tetrachloroethene	0.034	0.043	0.23	0.29
Acetone	0.86	5.1	2.0	12

Client Sample ID: IAQ-TP1-072711

Lab ID#: 1107522A-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.48	0.16	2.4
Freon 11	0.032	0.23	0.18	1.3



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-TP1-072711

Lab ID#: 1107522A-14A

1,1-Dichloroethene	0.016	0.016	0.063	0.063
Freon 113	0.032	0.070	0.24	0.54
Carbon Tetrachloride	0.032	0.078 J	0.20	0.49 J
Benzene	0.079	0.18	0.25	0.59
Toluene	0.032	1.0	0.12	3.9
Tetrachloroethene	0.032	0.12	0.21	0.78
Ethyl Benzene	0.032	0.11	0.14	0.49
m,p-Xylene	0.063	0.31	0.27	1.4
o-Xylene	0.032	0.090	0.14	0.39
Acetone	0.79	19	1.9	45

Client Sample ID: IAQ-TP3-072711

Lab ID#: 1107522A-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.52	0.17	2.6
Freon 11	0.035	0.25	0.20	1.4
Freon 113	0.035	0.075	0.27	0.58
Carbon Tetrachloride	0.035	0.084 J	0.22	0.53 J
Benzene	0.088	2.2	0.28	7.0
Toluene	0.035	9.4	0.13	36
Tetrachloroethene	0.035	0.084	0.24	0.57
Chlorobenzene	0.035	0.12	0.16	0.54
Ethyl Benzene	0.035	1.4	0.15	6.1
m,p-Xylene	0.070	5.7	0.30	25
o-Xylene	0.035	1.8	0.15	8.0
Acetone	0.88	43 E	2.1	100 E
Methylene Chloride	0.35	0.39	1.2	1.4

Client Sample ID: IAQ-TP2-072711

Lab ID#: 1107522A-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-TP2-072711

Lab ID#: 1107522A-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.55	0.15	2.7
Freon 11	0.030	0.26	0.17	1.5
1,1-Dichloroethene	0.015	0.020	0.059	0.079
Freon 113	0.030	0.078	0.23	0.59
Carbon Tetrachloride	0.030	0.090 J	0.19	0.56 J
Benzene	0.074	0.20	0.24	0.63
Toluene	0.030	1.0	0.11	3.8
Tetrachloroethene	0.030	0.13	0.20	0.86
Ethyl Benzene	0.030	0.13	0.13	0.55
m,p-Xylene	0.060	0.40	0.26	1.8
o-Xylene	0.030	0.14	0.13	0.61
Acetone	0.74	19	1.8	44

Client Sample ID: IAQ-WCCS3-072711

Lab ID#: 1107522A-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	1.3	0.15	6.2
Freon 11	0.030	0.57	0.17	3.2
1,1-Dichloroethene	0.015	0.57	0.060	2.2
Freon 113	0.030	0.34	0.23	2.6
Chloroform	0.030	0.062	0.15	0.30
Carbon Tetrachloride	0.030	0.21 J	0.19	1.3 J
Benzene	0.076	0.25	0.24	0.79
Trichloroethene	0.030	0.14	0.16	0.74
Toluene	0.030	0.71	0.11	2.7
Tetrachloroethene	0.030	2.4	0.21	16
Ethyl Benzene	0.030	0.10	0.13	0.44
m,p-Xylene	0.061	0.30	0.26	1.3
o-Xylene	0.030	0.11	0.13	0.47
Acetone	0.76	12	1.8	28



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS3-072711

Lab ID#: 1107522A-17A

Methylene Chloride	0.30	0.54	1.0	1.9
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Client Sample ID: IAQ-WCCS2-072711

Lab ID#: 1107522A-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.028	0.55	0.14	2.7
Freon 11	0.028	0.27	0.16	1.5
1,1-Dichloroethene	0.014	0.27	0.055	1.0
Freon 113	0.028	0.16	0.21	1.2
Chloroform	0.028	0.031	0.14	0.15
Carbon Tetrachloride	0.028	0.091	0.17	0.57
Benzene	0.070	0.11	0.22	0.34
Trichloroethene	0.028	0.067	0.15	0.36
Toluene	0.028	0.27	0.10	1.0
Tetrachloroethene	0.028	1.0	0.19	6.9
Ethyl Benzene	0.028	0.045	0.12	0.20
m,p-Xylene	0.056	0.13	0.24	0.56
o-Xylene	0.028	0.049	0.12	0.21
1,4-Dichlorobenzene	0.028	0.031	0.17	0.18
Acetone	0.70	4.2	1.6	9.9

Client Sample ID: IAQ-WCCS4-072711

Lab ID#: 1107522A-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.50	0.16	2.5
Freon 11	0.032	0.24	0.18	1.4
1,1-Dichloroethene	0.016	0.21	0.063	0.85
Freon 113	0.032	0.13	0.24	1.0
Carbon Tetrachloride	0.032	0.080	0.20	0.50
Benzene	0.079	0.10	0.25	0.32
Trichloroethene	0.032	0.057	0.17	0.30



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS4-072711

Lab ID#: 1107522A-19A

Toluene	0.032	0.28	0.12	1.0
Tetrachloroethene	0.032	0.88	0.21	6.0
Ethyl Benzene	0.032	0.040	0.14	0.18
m,p-Xylene	0.063	0.12	0.27	0.52
o-Xylene	0.032	0.043	0.14	0.19
Acetone	0.79	4.4	1.9	10

Client Sample ID: IAQ-WCCS7-072711

Lab ID#: 1107522A-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.041	0.51	0.20	2.5
Freon 11	0.041	0.24	0.23	1.3
1,1-Dichloroethene	0.021	0.21	0.082	0.85
Freon 113	0.041	0.13	0.32	1.0
Chloroform	0.041	0.047	0.20	0.23
Carbon Tetrachloride	0.041	0.071	0.26	0.44
Benzene	0.10	0.10	0.33	0.33
Trichloroethene	0.041	0.056	0.22	0.30
Toluene	0.041	0.28	0.16	1.0
Tetrachloroethene	0.041	0.85	0.28	5.8
Ethyl Benzene	0.041	0.042	0.18	0.18
m,p-Xylene	0.082	0.12	0.36	0.53
o-Xylene	0.041	0.045	0.18	0.20
Acetone	1.0	4.9	2.4	12



Client Sample ID: IAQ-FRR1-072711

Lab ID#: 1107522A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080307	Date of Collection: 7/27/11 7:03:00 AM		
Dil. Factor:	1.46	Date of Analysis: 8/3/11 01:04 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.029	0.51	0.14	2.5
Vinyl Chloride	0.015	Not Detected	0.037	Not Detected
Freon 11	0.029	0.43	0.16	2.4
1,1-Dichloroethene	0.015	2.2	0.058	8.9
Freon 113	0.029	0.48	0.22	3.7
1,1-Dichloroethane	0.029	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.029	Not Detected	0.12	Not Detected
Chloroform	0.029	0.056	0.14	0.28
1,1,1-Trichloroethane	0.029	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.029	0.090 J	0.18	0.56 J
Benzene	0.073	0.13	0.23	0.42
1,2-Dichloroethane	0.029	Not Detected	0.12	Not Detected
Trichloroethene	0.029	0.27	0.16	1.4
trans-1,3-Dichloropropene	0.029	Not Detected	0.13	Not Detected
Toluene	0.029	0.48	0.11	1.8
1,1,2-Trichloroethane	0.029	Not Detected	0.16	Not Detected
Tetrachloroethene	0.029	2.9	0.20	19
Chlorobenzene	0.029	Not Detected	0.13	Not Detected
Ethyl Benzene	0.029	0.074	0.13	0.32
m,p-Xylene	0.058	0.23	0.25	0.99
o-Xylene	0.029	0.085	0.13	0.37
1,4-Dichlorobenzene	0.029	2.4	0.18	15
1,2-Dichlorobenzene	0.029	0.034	0.18	0.21
trans-1,2-Dichloroethene	0.15	Not Detected	0.58	Not Detected
Acetone	0.73	11	1.7	26
Methylene Chloride	0.29	0.33	1.0	1.2
Methyl tert-butyl ether	0.15	Not Detected	0.53	Not Detected
1,1,2,2-Tetrachloroethane	0.029	Not Detected	0.20	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-FRR2-072711

Lab ID#: 1107522A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080308	Date of Collection: 7/27/11 7:05:00 AM		
Dil. Factor:	1.49	Date of Analysis: 8/3/11 01:38 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.54	0.15	2.6
Vinyl Chloride	0.015	Not Detected	0.038	Not Detected
Freon 11	0.030	0.27	0.17	1.5
1,1-Dichloroethene	0.015	0.49	0.059	1.9
Freon 113	0.030	0.15	0.23	1.1
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.091 J	0.19	0.57 J
Benzene	0.074	0.14	0.24	0.45
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	0.088	0.16	0.48
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	0.42	0.11	1.6
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	0.99	0.20	6.7
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.058	0.13	0.25
m,p-Xylene	0.060	0.18	0.26	0.80
o-Xylene	0.030	0.068	0.13	0.29
1,4-Dichlorobenzene	0.030	0.86	0.18	5.2
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	5.5	1.8	13
Methylene Chloride	0.30	0.39	1.0	1.3
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.20	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-FRR3-072711

Lab ID#: 1107522A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080309	Date of Collection: 7/27/11 7:10:00 AM		
Dil. Factor:	1.49	Date of Analysis: 8/3/11 02:14 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.44	0.15	2.2
Vinyl Chloride	0.015	Not Detected	0.038	Not Detected
Freon 11	0.030	0.25	0.17	1.4
1,1-Dichloroethene	0.015	0.38	0.059	1.5
Freon 113	0.030	0.16	0.23	1.2
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.079 J	0.19	0.50 J
Benzene	0.074	0.21	0.24	0.68
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	0.096	0.16	0.52
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	0.73	0.11	2.7
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	0.91	0.20	6.2
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.10	0.13	0.43
m,p-Xylene	0.060	0.29	0.26	1.2
o-Xylene	0.030	0.11	0.13	0.48
1,4-Dichlorobenzene	0.030	0.22	0.18	1.3
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	3.8	1.8	9.1
Methylene Chloride	0.30	0.38	1.0	1.3
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.20	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-ROP1-072711

Lab ID#: 1107522A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080310	Date of Collection: 7/27/11 7:37:00 AM		
Dil. Factor:	1.52	Date of Analysis: 8/3/11 03:12 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.54	0.15	2.6
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Freon 11	0.030	0.24	0.17	1.4
1,1-Dichloroethene	0.015	0.025	0.060	0.10
Freon 113	0.030	0.088	0.23	0.67
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.092 J	0.19	0.58 J
Benzene	0.076	0.10	0.24	0.32
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	Not Detected	0.16	Not Detected
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	0.49	0.11	1.8
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	0.082	0.21	0.56
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.090	0.13	0.39
m,p-Xylene	0.061	0.24	0.26	1.0
o-Xylene	0.030	0.089	0.13	0.39
1,4-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	9.4	1.8	22
Methylene Chloride	0.30	1.1	1.0	3.9
Methyl tert-butyl ether	0.15	Not Detected	0.55	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.21	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130



Client Sample ID: IAQ-ROP3-072711

Lab ID#: 1107522A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080311	Date of Collection: 7/27/11 7:40:00 AM		
Dil. Factor:	1.58	Date of Analysis: 8/3/11 03:46 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.52	0.16	2.5
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.032	0.23	0.18	1.3
1,1-Dichloroethene	0.016	0.019	0.063	0.074
Freon 113	0.032	0.078	0.24	0.60
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected
Chloroform	0.032	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.032	0.081 J	0.20	0.51 J
Benzene	0.079	0.11	0.25	0.34
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.14	Not Detected
Toluene	0.032	0.60	0.12	2.3
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	0.068	0.21	0.46
Chlorobenzene	0.032	Not Detected	0.14	Not Detected
Ethyl Benzene	0.032	0.080	0.14	0.35
m,p-Xylene	0.063	0.20	0.27	0.86
o-Xylene	0.032	0.070	0.14	0.30
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	7.4	1.9	18
Methylene Chloride	0.32	0.65	1.1	2.2
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130



Client Sample ID: IAQ-ROP2-072711

Lab ID#: 1107522A-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080312	Date of Collection: 7/27/11 7:42:00 AM		
Dil. Factor:	1.68	Date of Analysis: 8/3/11 04:20 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.46	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	0.023	0.067	0.091
Freon 113	0.034	0.074	0.26	0.56
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.080 J	0.21	0.50 J
Benzene	0.084	0.10	0.27	0.33
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.31	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.083	0.23	0.56
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.044	0.14	0.19
m,p-Xylene	0.067	0.13	0.29	0.55
o-Xylene	0.034	0.047	0.14	0.20
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	5.9	2.0	14
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: IAQ-ROP5-072711

Lab ID#: 1107522A-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080313	Date of Collection: 7/27/11 7:45:00 AM		
Dil. Factor:	1.55	Date of Analysis: 8/3/11 04:56 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.51	0.15	2.5
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.031	0.23	0.17	1.3
1,1-Dichloroethene	0.016	0.045	0.061	0.18
Freon 113	0.031	0.078	0.24	0.60
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
Chloroform	0.031	0.10	0.15	0.49
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.031	0.083 J	0.20	0.52 J
Benzene	0.078	0.096	0.25	0.31
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.031	Not Detected	0.14	Not Detected
Toluene	0.031	0.27	0.12	1.0
1,1,2-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	0.21	0.21	1.4
Chlorobenzene	0.031	Not Detected	0.14	Not Detected
Ethyl Benzene	0.031	0.044	0.13	0.19
m,p-Xylene	0.062	0.14	0.27	0.59
o-Xylene	0.031	0.049	0.13	0.21
1,4-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Acetone	0.78	5.0	1.8	12
Methylene Chloride	0.31	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.56	Not Detected
1,1,2,2-Tetrachloroethane	0.031	Not Detected	0.21	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: IAQ-ROP4-072711

Lab ID#: 1107522A-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080314	Date of Collection: 7/27/11 7:48:00 AM		
Dil. Factor:	1.64	Date of Analysis: 8/3/11 05:31 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.49	0.16	2.4
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.22	0.18	1.2
1,1-Dichloroethene	0.016	0.025	0.065	0.098
Freon 113	0.033	0.071	0.25	0.54
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	0.037	0.16	0.18
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.080 J	0.21	0.50 J
Benzene	0.082	0.11	0.26	0.35
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	0.30	0.12	1.1
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.12	0.22	0.83
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.047	0.14	0.20
m,p-Xylene	0.066	0.14	0.28	0.63
o-Xylene	0.033	0.054	0.14	0.23
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Acetone	0.82	4.6	1.9	11
Methylene Chloride	0.33	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: IAQ-AA9-072711

Lab ID#: 1107522A-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080315	Date of Collection: 7/27/11 7:58:00 AM		
Dil. Factor:	1.71	Date of Analysis: 8/3/11 06:05 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.49	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.065	0.26	0.50
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.080 J	0.22	0.50 J
Benzene	0.086	0.12	0.27	0.39
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.045	0.15	0.20
m,p-Xylene	0.068	0.14	0.30	0.61
o-Xylene	0.034	0.052	0.15	0.23
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	4.8	2.0	11
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-B3-072711

Lab ID#: 1107522A-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080316	Date of Collection: 7/27/11 8:25:00 AM		
Dil. Factor:	1.75	Date of Analysis: 8/3/11 06:38 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.48	0.17	2.4
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.21	0.20	1.2
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.084	0.27	0.64
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.076 J	0.22	0.48 J
Benzene	0.088	0.14	0.28	0.44
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.54	0.13	2.0
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.039	0.24	0.27
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.058	0.15	0.25
m,p-Xylene	0.070	0.16	0.30	0.71
o-Xylene	0.035	0.059	0.15	0.26
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	5.7	2.1	14
Methylene Chloride	0.35	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-B2-072711

Lab ID#: 1107522A-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080317	Date of Collection: 7/27/11 8:23:00 AM		
Dil. Factor:	1.46	Date of Analysis: 8/3/11 07:13 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.029	0.50	0.14	2.4
Vinyl Chloride	0.015	Not Detected	0.037	Not Detected
Freon 11	0.029	0.22	0.16	1.2
1,1-Dichloroethene	0.015	0.016	0.058	0.062
Freon 113	0.029	0.78	0.22	5.9
1,1-Dichloroethane	0.029	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.029	Not Detected	0.12	Not Detected
Chloroform	0.029	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.029	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.029	0.079 J	0.18	0.50 J
Benzene	0.073	0.15	0.23	0.49
1,2-Dichloroethane	0.029	Not Detected	0.12	Not Detected
Trichloroethene	0.029	Not Detected	0.16	Not Detected
trans-1,3-Dichloropropene	0.029	Not Detected	0.13	Not Detected
Toluene	0.029	0.77	0.11	2.9
1,1,2-Trichloroethane	0.029	Not Detected	0.16	Not Detected
Tetrachloroethene	0.029	0.085	0.20	0.58
Chlorobenzene	0.029	Not Detected	0.13	Not Detected
Ethyl Benzene	0.029	0.17	0.13	0.75
m,p-Xylene	0.058	0.47	0.25	2.1
o-Xylene	0.029	0.15	0.13	0.67
1,4-Dichlorobenzene	0.029	Not Detected	0.18	Not Detected
1,2-Dichlorobenzene	0.029	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.58	Not Detected
Acetone	0.73	8.0	1.7	19
Methylene Chloride	0.29	0.41	1.0	1.4
Methyl tert-butyl ether	0.15	Not Detected	0.53	Not Detected
1,1,2,2-Tetrachloroethane	0.029	Not Detected	0.20	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-B1-072711

Lab ID#: 1107522A-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080318	Date of Collection: 7/27/11 8:27:00 AM		
Dil. Factor:	1.71	Date of Analysis: 8/3/11 07:47 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.49	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.22	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.20	0.26	1.5
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.085 J	0.22	0.53 J
Benzene	0.086	0.12	0.27	0.39
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.36	0.13	1.4
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.050	0.23	0.34
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.050	0.15	0.22
m,p-Xylene	0.068	0.15	0.30	0.66
o-Xylene	0.034	0.057	0.15	0.25
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.2	2.0	12
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-B1-072711-K

Lab ID#: 1107522A-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080319	Date of Collection:	7/27/11 8:28:00 AM	
Dil. Factor:	1.71	Date of Analysis:	8/3/11 08:44 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.52	0.17	2.6
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.21	0.26	1.6
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.085 J	0.22	0.53 J
Benzene	0.086	0.11	0.27	0.36
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.21	0.13	0.80
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.043	0.23	0.29
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	Not Detected	0.15	Not Detected
m,p-Xylene	0.068	Not Detected	0.30	Not Detected
o-Xylene	0.034	Not Detected	0.15	Not Detected
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.1	2.0	12
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: IAQ-TP1-072711

Lab ID#: 1107522A-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080320	Date of Collection:	7/27/11 8:43:00 AM	
Dil. Factor:	1.58	Date of Analysis:	8/3/11 09:18 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.48	0.16	2.4
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.032	0.23	0.18	1.3
1,1-Dichloroethene	0.016	0.016	0.063	0.063
Freon 113	0.032	0.070	0.24	0.54
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected
Chloroform	0.032	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.032	0.078 J	0.20	0.49 J
Benzene	0.079	0.18	0.25	0.59
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.14	Not Detected
Toluene	0.032	1.0	0.12	3.9
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	0.12	0.21	0.78
Chlorobenzene	0.032	Not Detected	0.14	Not Detected
Ethyl Benzene	0.032	0.11	0.14	0.49
m,p-Xylene	0.063	0.31	0.27	1.4
o-Xylene	0.032	0.090	0.14	0.39
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	19	1.9	45
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130



Client Sample ID: IAQ-TP3-072711

Lab ID#: 1107522A-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080321	Date of Collection:	7/27/11 8:45:00 AM	
Dil. Factor:	1.75	Date of Analysis:	8/3/11 10:16 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.52	0.17	2.6
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.25	0.20	1.4
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.075	0.27	0.58
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.084 J	0.22	0.53 J
Benzene	0.088	2.2	0.28	7.0
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	9.4	0.13	36
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.084	0.24	0.57
Chlorobenzene	0.035	0.12	0.16	0.54
Ethyl Benzene	0.035	1.4	0.15	6.1
m,p-Xylene	0.070	5.7	0.30	25
o-Xylene	0.035	1.8	0.15	8.0
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	43 E	2.1	100 E
Methylene Chloride	0.35	0.39	1.2	1.4
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected

J = Estimated value due to bias in the CCV.

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	106	70-130



Client Sample ID: IAQ-TP2-072711

Lab ID#: 1107522A-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080322	Date of Collection:	7/27/11 8:46:00 AM	
Dil. Factor:	1.49	Date of Analysis:	8/4/11 07:27 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.55	0.15	2.7
Vinyl Chloride	0.015	Not Detected	0.038	Not Detected
Freon 11	0.030	0.26	0.17	1.5
1,1-Dichloroethene	0.015	0.020	0.059	0.079
Freon 113	0.030	0.078	0.23	0.59
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.090 J	0.19	0.56 J
Benzene	0.074	0.20	0.24	0.63
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	Not Detected	0.16	Not Detected
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	1.0	0.11	3.8
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	0.13	0.20	0.86
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.13	0.13	0.55
m,p-Xylene	0.060	0.40	0.26	1.8
o-Xylene	0.030	0.14	0.13	0.61
1,4-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	19	1.8	44
Methylene Chloride	0.30	Not Detected	1.0	Not Detected
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.20	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	108	70-130



Client Sample ID: IAQ-WCCS3-072711

Lab ID#: 1107522A-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080323	Date of Collection: 7/27/11 9:07:00 AM		
Dil. Factor:	1.52	Date of Analysis: 8/4/11 08:14 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	1.3	0.15	6.2
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Freon 11	0.030	0.57	0.17	3.2
1,1-Dichloroethene	0.015	0.57	0.060	2.2
Freon 113	0.030	0.34	0.23	2.6
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	0.062	0.15	0.30
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.21 J	0.19	1.3 J
Benzene	0.076	0.25	0.24	0.79
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	0.14	0.16	0.74
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	0.71	0.11	2.7
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	2.4	0.21	16
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.10	0.13	0.44
m,p-Xylene	0.061	0.30	0.26	1.3
o-Xylene	0.030	0.11	0.13	0.47
1,4-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	12	1.8	28
Methylene Chloride	0.30	0.54	1.0	1.9
Methyl tert-butyl ether	0.15	Not Detected	0.55	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.21	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: IAQ-WCCS2-072711

Lab ID#: 1107522A-18A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080407	Date of Collection:	7/27/11 9:09:00 AM	
Dil. Factor:	1.39	Date of Analysis:	8/4/11 01:05 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.028	0.55	0.14	2.7
Vinyl Chloride	0.014	Not Detected	0.036	Not Detected
Freon 11	0.028	0.27	0.16	1.5
1,1-Dichloroethene	0.014	0.27	0.055	1.0
Freon 113	0.028	0.16	0.21	1.2
1,1-Dichloroethane	0.028	Not Detected	0.11	Not Detected
cis-1,2-Dichloroethene	0.028	Not Detected	0.11	Not Detected
Chloroform	0.028	0.031	0.14	0.15
1,1,1-Trichloroethane	0.028	Not Detected	0.15	Not Detected
Carbon Tetrachloride	0.028	0.091	0.17	0.57
Benzene	0.070	0.11	0.22	0.34
1,2-Dichloroethane	0.028	Not Detected	0.11	Not Detected
Trichloroethene	0.028	0.067	0.15	0.36
trans-1,3-Dichloropropene	0.028	Not Detected	0.13	Not Detected
Toluene	0.028	0.27	0.10	1.0
1,1,2-Trichloroethane	0.028	Not Detected	0.15	Not Detected
Tetrachloroethene	0.028	1.0	0.19	6.9
Chlorobenzene	0.028	Not Detected	0.13	Not Detected
Ethyl Benzene	0.028	0.045	0.12	0.20
m,p-Xylene	0.056	0.13	0.24	0.56
o-Xylene	0.028	0.049	0.12	0.21
1,4-Dichlorobenzene	0.028	0.031	0.17	0.18
1,2-Dichlorobenzene	0.028	Not Detected	0.17	Not Detected
trans-1,2-Dichloroethene	0.14	Not Detected	0.55	Not Detected
Acetone	0.70	4.2	1.6	9.9
Methylene Chloride	0.28	Not Detected	0.96	Not Detected
Methyl tert-butyl ether	0.14	Not Detected	0.50	Not Detected
1,1,2,2-Tetrachloroethane	0.028	Not Detected	0.19	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	108	70-130



Client Sample ID: IAQ-WCCS4-072711

Lab ID#: 1107522A-19A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080408	Date of Collection:	7/27/11 9:10:00 AM	
Dil. Factor:	1.58	Date of Analysis:	8/4/11 01:38 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.50	0.16	2.5
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.032	0.24	0.18	1.4
1,1-Dichloroethene	0.016	0.21	0.063	0.85
Freon 113	0.032	0.13	0.24	1.0
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected
Chloroform	0.032	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.032	0.080	0.20	0.50
Benzene	0.079	0.10	0.25	0.32
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	0.057	0.17	0.30
trans-1,3-Dichloropropene	0.032	Not Detected	0.14	Not Detected
Toluene	0.032	0.28	0.12	1.0
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	0.88	0.21	6.0
Chlorobenzene	0.032	Not Detected	0.14	Not Detected
Ethyl Benzene	0.032	0.040	0.14	0.18
m,p-Xylene	0.063	0.12	0.27	0.52
o-Xylene	0.032	0.043	0.14	0.19
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	4.4	1.9	10
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	108	70-130



Client Sample ID: IAQ-WCCS7-072711

Lab ID#: 1107522A-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080409	Date of Collection:	7/27/11 9:16:00 AM	
Dil. Factor:	2.06	Date of Analysis:	8/4/11 02:15 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.041	0.51	0.20	2.5
Vinyl Chloride	0.021	Not Detected	0.053	Not Detected
Freon 11	0.041	0.24	0.23	1.3
1,1-Dichloroethene	0.021	0.21	0.082	0.85
Freon 113	0.041	0.13	0.32	1.0
1,1-Dichloroethane	0.041	Not Detected	0.17	Not Detected
cis-1,2-Dichloroethene	0.041	Not Detected	0.16	Not Detected
Chloroform	0.041	0.047	0.20	0.23
1,1,1-Trichloroethane	0.041	Not Detected	0.22	Not Detected
Carbon Tetrachloride	0.041	0.071	0.26	0.44
Benzene	0.10	0.10	0.33	0.33
1,2-Dichloroethane	0.041	Not Detected	0.17	Not Detected
Trichloroethene	0.041	0.056	0.22	0.30
trans-1,3-Dichloropropene	0.041	Not Detected	0.19	Not Detected
Toluene	0.041	0.28	0.16	1.0
1,1,2-Trichloroethane	0.041	Not Detected	0.22	Not Detected
Tetrachloroethene	0.041	0.85	0.28	5.8
Chlorobenzene	0.041	Not Detected	0.19	Not Detected
Ethyl Benzene	0.041	0.042	0.18	0.18
m,p-Xylene	0.082	0.12	0.36	0.53
o-Xylene	0.041	0.045	0.18	0.20
1,4-Dichlorobenzene	0.041	Not Detected	0.25	Not Detected
1,2-Dichlorobenzene	0.041	Not Detected	0.25	Not Detected
trans-1,2-Dichloroethene	0.21	Not Detected	0.82	Not Detected
Acetone	1.0	4.9	2.4	12
Methylene Chloride	0.41	Not Detected	1.4	Not Detected
Methyl tert-butyl ether	0.21	Not Detected	0.74	Not Detected
1,1,2,2-Tetrachloroethane	0.041	Not Detected	0.28	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	108	70-130



Client Sample ID: Lab Blank

Lab ID#: 1107522A-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080306	Date of Collection:	NA	
Dil. Factor:	1.00	Date of Analysis:	8/3/11 12:14 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130



Client Sample ID: Lab Blank

Lab ID#: 1107522A-21B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080406	Date of Collection:	NA	
Dil. Factor:	1.00	Date of Analysis:	8/4/11 12:01 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: CCV

Lab ID#: 1107522A-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080302	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/3/11 09:17 AM

Compound	%Recovery
Freon 12	120
Vinyl Chloride	118
Freon 11	115
1,1-Dichloroethene	119
Freon 113	107
1,1-Dichloroethane	112
cis-1,2-Dichloroethene	108
Chloroform	110
1,1,1-Trichloroethane	116
Carbon Tetrachloride	131 Q
Benzene	102
1,2-Dichloroethane	103
Trichloroethene	100
trans-1,3-Dichloropropene	130
Toluene	106
1,1,2-Trichloroethane	107
Tetrachloroethene	107
Chlorobenzene	104
Ethyl Benzene	113
m,p-Xylene	111
o-Xylene	113
1,4-Dichlorobenzene	89
1,2-Dichlorobenzene	102
trans-1,2-Dichloroethene	107
Acetone	126
Methylene Chloride	99
Methyl tert-butyl ether	115
1,1,2,2-Tetrachloroethane	112

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: CCV

Lab ID#: 1107522A-22B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080402	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/4/11 09:11 AM

Compound	%Recovery
Freon 12	109
Vinyl Chloride	100
Freon 11	110
1,1-Dichloroethene	108
Freon 113	100
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	99
Chloroform	104
1,1,1-Trichloroethane	110
Carbon Tetrachloride	124
Benzene	97
1,2-Dichloroethane	101
Trichloroethene	93
trans-1,3-Dichloropropene	122
Toluene	98
1,1,2-Trichloroethane	102
Tetrachloroethene	103
Chlorobenzene	99
Ethyl Benzene	106
m,p-Xylene	103
o-Xylene	106
1,4-Dichlorobenzene	81
1,2-Dichlorobenzene	93
trans-1,2-Dichloroethene	98
Acetone	117
Methylene Chloride	91
Methyl tert-butyl ether	104
1,1,2,2-Tetrachloroethane	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130



Client Sample ID: LCS

Lab ID#: 1107522A-23A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080303	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/3/11 09:59 AM

Compound	%Recovery
Freon 12	109
Vinyl Chloride	110
Freon 11	107
1,1-Dichloroethene	117
Freon 113	101
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	103
Chloroform	106
1,1,1-Trichloroethane	110
Carbon Tetrachloride	115
Benzene	98
1,2-Dichloroethane	98
Trichloroethene	95
trans-1,3-Dichloropropene	120
Toluene	99
1,1,2-Trichloroethane	104
Tetrachloroethene	101
Chlorobenzene	101
Ethyl Benzene	107
m,p-Xylene	105
o-Xylene	108
1,4-Dichlorobenzene	85
1,2-Dichlorobenzene	100
trans-1,2-Dichloroethene	112
Acetone	121
Methylene Chloride	92
Methyl tert-butyl ether	113
1,1,2,2-Tetrachloroethane	109

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: LCSD

Lab ID#: 1107522A-23AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080304	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/3/11 10:38 AM

Compound	%Recovery
Freon 12	110
Vinyl Chloride	111
Freon 11	107
1,1-Dichloroethene	117
Freon 113	102
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	105
Chloroform	106
1,1,1-Trichloroethane	111
Carbon Tetrachloride	116
Benzene	99
1,2-Dichloroethane	96
Trichloroethene	95
trans-1,3-Dichloropropene	121
Toluene	100
1,1,2-Trichloroethane	105
Tetrachloroethene	102
Chlorobenzene	101
Ethyl Benzene	108
m,p-Xylene	107
o-Xylene	109
1,4-Dichlorobenzene	87
1,2-Dichlorobenzene	102
trans-1,2-Dichloroethene	114
Acetone	121
Methylene Chloride	94
Methyl tert-butyl ether	114
1,1,2,2-Tetrachloroethane	110

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	104	70-130



Client Sample ID: LCS

Lab ID#: 1107522A-23B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/4/11 09:49 AM

Compound	%Recovery
Freon 12	108
Vinyl Chloride	104
Freon 11	139 Q
1,1-Dichloroethene	110
Freon 113	97
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	97
Chloroform	103
1,1,1-Trichloroethane	108
Carbon Tetrachloride	113
Benzene	95
1,2-Dichloroethane	98
Trichloroethene	91
trans-1,3-Dichloropropene	115
Toluene	95
1,1,2-Trichloroethane	100
Tetrachloroethene	99
Chlorobenzene	97
Ethyl Benzene	103
m,p-Xylene	101
o-Xylene	103
1,4-Dichlorobenzene	81
1,2-Dichlorobenzene	97
trans-1,2-Dichloroethene	106
Acetone	117
Methylene Chloride	86
Methyl tert-butyl ether	106
1,1,2,2-Tetrachloroethane	105

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130



Client Sample ID: LCSD

Lab ID#: 1107522A-23BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/4/11 10:40 AM

Compound	%Recovery
Freon 12	107
Vinyl Chloride	104
Freon 11	141 Q
1,1-Dichloroethene	113
Freon 113	98
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	99
Chloroform	104
1,1,1-Trichloroethane	108
Carbon Tetrachloride	113
Benzene	95
1,2-Dichloroethane	101
Trichloroethene	92
trans-1,3-Dichloropropene	118
Toluene	95
1,1,2-Trichloroethane	103
Tetrachloroethene	99
Chlorobenzene	97
Ethyl Benzene	103
m,p-Xylene	100
o-Xylene	100
1,4-Dichlorobenzene	79
1,2-Dichlorobenzene	94
trans-1,2-Dichloroethene	108
Acetone	119
Methylene Chloride	88
Methyl tert-butyl ether	107
1,1,2,2-Tetrachloroethane	107

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

8/11/2011

Ms. Sharon Wallin

CDM

111 Academy Street

Suite 150

Irvine CA 92617

Project Name: Omega IAQ

Project #: 10500-76051

Workorder #: 1107522B

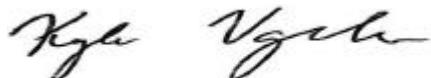
Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 7/29/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

WORK ORDER #: 1107522B

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM 111 Academy Street Suite 150 Irvine, CA 92617	BILL TO:	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	P.O. #	
FAX:	949-725-3790	PROJECT #	10500-76051 Omega IAQ
DATE RECEIVED:	07/29/2011	CONTACT:	Kyle Vagadori
DATE COMPLETED:	08/11/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
21A	IAQ-WCCS7-072711-K	Modified TO-15 SIM	7.5 "Hg	5 psi
22A	IAQ-WCCS6-072711	Modified TO-15 SIM	3.0 "Hg	5 psi
23A	IAQ-AA8-072711	Modified TO-15 SIM	6.0 "Hg	5 psi
24A	IAQ-AA1-072711	Modified TO-15 SIM	7.5 "Hg	5 psi
25A	Lab Blank	Modified TO-15 SIM	NA	NA
26A	CCV	Modified TO-15 SIM	NA	NA
27A	LCS	Modified TO-15 SIM	NA	NA
27AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



DATE: 08/11/11

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15 SIM
CDM
Workorder# 1107522B**

Four 6 Liter Summa Canister (SIM Certified) samples were received on July 29, 2011. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+ 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS7-072711-K

Lab ID#: 1107522B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	0.51	0.18	2.5
Freon 11	0.036	0.24	0.20	1.4
1,1-Dichloroethene	0.018	0.22	0.071	0.88
Freon 113	0.036	0.13	0.27	1.0
Chloroform	0.036	0.046	0.17	0.23
Carbon Tetrachloride	0.036	0.080	0.22	0.50
Benzene	0.090	0.098	0.28	0.31
1,2-Dichloroethane	0.036	0.052	0.14	0.21
Trichloroethene	0.036	0.056	0.19	0.30
Toluene	0.036	0.28	0.13	1.1
Tetrachloroethene	0.036	0.87	0.24	5.9
Ethyl Benzene	0.036	0.044	0.16	0.19
m,p-Xylene	0.072	0.12	0.31	0.54
o-Xylene	0.036	0.048	0.16	0.21
Acetone	0.90	5.2	2.1	12

Client Sample ID: IAQ-WCCS6-072711

Lab ID#: 1107522B-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.50	0.15	2.5
Freon 11	0.030	0.26	0.17	1.4
1,1-Dichloroethene	0.015	0.26	0.059	1.0
Freon 113	0.030	0.15	0.23	1.2
Chloroform	0.030	0.052	0.14	0.26
Carbon Tetrachloride	0.030	0.082	0.19	0.52
Benzene	0.074	0.094	0.24	0.30
Trichloroethene	0.030	0.068	0.16	0.36
Toluene	0.030	0.28	0.11	1.0
Tetrachloroethene	0.030	1.0	0.20	6.8
Ethyl Benzene	0.030	0.041	0.13	0.18



Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS6-072711

Lab ID#: 1107522B-22A

m,p-Xylene	0.060	0.12	0.26	0.52
o-Xylene	0.030	0.042	0.13	0.18
Acetone	0.74	6.4	1.8	15

Client Sample ID: IAQ-AA8-072711

Lab ID#: 1107522B-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.51	0.17	2.5
Freon 11	0.034	0.22	0.19	1.3
Freon 113	0.034	0.068	0.26	0.52
Carbon Tetrachloride	0.034	0.086	0.21	0.54
Benzene	0.084	0.12	0.27	0.39
Toluene	0.034	0.28	0.13	1.0
Tetrachloroethene	0.034	0.051	0.23	0.34
Ethyl Benzene	0.034	0.042	0.14	0.18
m,p-Xylene	0.067	0.11	0.29	0.50
o-Xylene	0.034	0.045	0.14	0.19
Acetone	0.84	5.2	2.0	12

Client Sample ID: IAQ-AA1-072711

Lab ID#: 1107522B-24A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	0.47	0.18	2.3
Freon 11	0.036	0.21	0.20	1.2
Freon 113	0.036	0.066	0.27	0.51
Carbon Tetrachloride	0.036	0.078	0.22	0.49
Benzene	0.090	0.50	0.28	1.6
1,2-Dichloroethane	0.036	0.040	0.14	0.16
Toluene	0.036	1.1	0.13	4.2
Tetrachloroethene	0.036	0.059	0.24	0.40
Ethyl Benzene	0.036	0.12	0.16	0.51



Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-AA1-072711

Lab ID#: 1107522B-24A

m,p-Xylene	0.072	0.39	0.31	1.7
o-Xylene	0.036	0.13	0.16	0.58
Acetone	0.90	3.2	2.1	7.7



Client Sample ID: IAQ-WCCS7-072711-K

Lab ID#: 1107522B-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080410	Date of Collection:	7/27/11 9:17:00 AM	
Dil. Factor:	1.79	Date of Analysis:	8/4/11 02:50 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	0.51	0.18	2.5
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
Freon 11	0.036	0.24	0.20	1.4
1,1-Dichloroethene	0.018	0.22	0.071	0.88
Freon 113	0.036	0.13	0.27	1.0
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
Chloroform	0.036	0.046	0.17	0.23
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Carbon Tetrachloride	0.036	0.080	0.22	0.50
Benzene	0.090	0.098	0.28	0.31
1,2-Dichloroethane	0.036	0.052	0.14	0.21
Trichloroethene	0.036	0.056	0.19	0.30
trans-1,3-Dichloropropene	0.036	Not Detected	0.16	Not Detected
Toluene	0.036	0.28	0.13	1.1
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	0.87	0.24	5.9
Chlorobenzene	0.036	Not Detected	0.16	Not Detected
Ethyl Benzene	0.036	0.044	0.16	0.19
m,p-Xylene	0.072	0.12	0.31	0.54
o-Xylene	0.036	0.048	0.16	0.21
1,4-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
1,2-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Acetone	0.90	5.2	2.1	12
Methylene Chloride	0.36	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	111	70-130



Client Sample ID: IAQ-WCCS6-072711

Lab ID#: 1107522B-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080411	Date of Collection:	7/27/11 9:19:00 AM	
Dil. Factor:	1.49	Date of Analysis:	8/4/11 03:24 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.50	0.15	2.5
Vinyl Chloride	0.015	Not Detected	0.038	Not Detected
Freon 11	0.030	0.26	0.17	1.4
1,1-Dichloroethene	0.015	0.26	0.059	1.0
Freon 113	0.030	0.15	0.23	1.2
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	0.052	0.14	0.26
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.082	0.19	0.52
Benzene	0.074	0.094	0.24	0.30
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	0.068	0.16	0.36
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	0.28	0.11	1.0
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	1.0	0.20	6.8
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.041	0.13	0.18
m,p-Xylene	0.060	0.12	0.26	0.52
o-Xylene	0.030	0.042	0.13	0.18
1,4-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	6.4	1.8	15
Methylene Chloride	0.30	Not Detected	1.0	Not Detected
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.20	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	106	70-130



Client Sample ID: IAQ-AA8-072711

Lab ID#: 1107522B-23A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080412	Date of Collection:	7/27/11 9:30:00 AM	
Dil. Factor:	1.68	Date of Analysis:	8/4/11 03:58 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.51	0.17	2.5
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.22	0.19	1.3
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.068	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.086	0.21	0.54
Benzene	0.084	0.12	0.27	0.39
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.28	0.13	1.0
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.051	0.23	0.34
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.042	0.14	0.18
m,p-Xylene	0.067	0.11	0.29	0.50
o-Xylene	0.034	0.045	0.14	0.19
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	5.2	2.0	12
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130



Client Sample ID: IAQ-AA1-072711

Lab ID#: 1107522B-24A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080413	Date of Collection:	7/27/11 8:54:00 AM	
Dil. Factor:	1.79	Date of Analysis:	8/4/11 04:36 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	0.47	0.18	2.3
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
Freon 11	0.036	0.21	0.20	1.2
1,1-Dichloroethene	0.018	Not Detected	0.071	Not Detected
Freon 113	0.036	0.066	0.27	0.51
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
Chloroform	0.036	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Carbon Tetrachloride	0.036	0.078	0.22	0.49
Benzene	0.090	0.50	0.28	1.6
1,2-Dichloroethane	0.036	0.040	0.14	0.16
Trichloroethene	0.036	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.036	Not Detected	0.16	Not Detected
Toluene	0.036	1.1	0.13	4.2
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	0.059	0.24	0.40
Chlorobenzene	0.036	Not Detected	0.16	Not Detected
Ethyl Benzene	0.036	0.12	0.16	0.51
m,p-Xylene	0.072	0.39	0.31	1.7
o-Xylene	0.036	0.13	0.16	0.58
1,4-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
1,2-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Acetone	0.90	3.2	2.1	7.7
Methylene Chloride	0.36	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130



Client Sample ID: Lab Blank

Lab ID#: 1107522B-25A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080406	Date of Collection:	NA	
Dil. Factor:	1.00	Date of Analysis:	8/4/11 12:01 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: CCV

Lab ID#: 1107522B-26A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080402	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/4/11 09:11 AM

Compound	%Recovery
Freon 12	109
Vinyl Chloride	100
Freon 11	110
1,1-Dichloroethene	108
Freon 113	100
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	99
Chloroform	104
1,1,1-Trichloroethane	110
Carbon Tetrachloride	124
Benzene	97
1,2-Dichloroethane	101
Trichloroethene	93
trans-1,3-Dichloropropene	122
Toluene	98
1,1,2-Trichloroethane	102
Tetrachloroethene	103
Chlorobenzene	99
Ethyl Benzene	106
m,p-Xylene	103
o-Xylene	106
1,4-Dichlorobenzene	81
1,2-Dichlorobenzene	93
trans-1,2-Dichloroethene	98
Acetone	117
Methylene Chloride	91
Methyl tert-butyl ether	104
1,1,2,2-Tetrachloroethane	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130



Client Sample ID: LCS

Lab ID#: 1107522B-27A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/4/11 09:49 AM

Compound	%Recovery
Freon 12	108
Vinyl Chloride	104
Freon 11	139 Q
1,1-Dichloroethene	110
Freon 113	97
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	97
Chloroform	103
1,1,1-Trichloroethane	108
Carbon Tetrachloride	113
Benzene	95
1,2-Dichloroethane	98
Trichloroethene	91
trans-1,3-Dichloropropene	115
Toluene	95
1,1,2-Trichloroethane	100
Tetrachloroethene	99
Chlorobenzene	97
Ethyl Benzene	103
m,p-Xylene	101
o-Xylene	103
1,4-Dichlorobenzene	81
1,2-Dichlorobenzene	97
trans-1,2-Dichloroethene	106
Acetone	117
Methylene Chloride	86
Methyl tert-butyl ether	106
1,1,2,2-Tetrachloroethane	105

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130



Client Sample ID: LCSD

Lab ID#: 1107522B-27AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c080404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/4/11 10:40 AM

Compound	%Recovery
Freon 12	107
Vinyl Chloride	104
Freon 11	141 Q
1,1-Dichloroethene	113
Freon 113	98
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	99
Chloroform	104
1,1,1-Trichloroethane	108
Carbon Tetrachloride	113
Benzene	95
1,2-Dichloroethane	101
Trichloroethene	92
trans-1,3-Dichloropropene	118
Toluene	95
1,1,2-Trichloroethane	103
Tetrachloroethene	99
Chlorobenzene	97
Ethyl Benzene	103
m,p-Xylene	100
o-Xylene	100
1,4-Dichlorobenzene	79
1,2-Dichlorobenzene	94
trans-1,2-Dichloroethene	108
Acetone	119
Methylene Chloride	88
Methyl tert-butyl ether	107
1,1,2,2-Tetrachloroethane	107

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

August 17, 2011



CDM

ATTN: Sharon Wallin
111 Academy, Suite 150
Irvine, CA 92617

ADE-1461
EPA Methods TO-3,
TO14A, TO15 SIM & Scan,
ASTM D1946

FL Cert E8784/LA Cert 04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-09-TX
EPA Methods TO14A, TO15

LABORATORY TEST RESULTS

Project Reference: Omega IAQ
Lab Number: C072901-01/02

Enclosed are results for sample(s) received 7/29/11 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.
- The enclosed results relate only to the sample(s).

Results were e-mailed to Sharon Wallin, Elizabeth DeCola and Mark Kill (de maximis, inc.) on 8/17/11.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.



CHAIN OF CUSTODY RECORD

18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

Project No.:	10500
Project Name:	Omega Monthly TAQ
Report To:	Shawn Wallin
Company:	C DM
Street:	111 Academy Ste. 150
City/State/Zip:	VINE / CA / 92617
Phone & Fax:	(949) 752-5452 # (949) 725-3790
e-mail:	WallinSF@cdm.com

METHOD OF TRANSPORT (circle one):		Walk-In	FedEx	UPS	Courier	ATL	Other
AUTHORIZATION TO PERFORM WORK 	CDM COMPANY	7-28-11	/	0825			DATE/TIME
SAMPLED BY 	COMPANY						DATE/TIME
RELINQUISHED BY 	DATE/TIME	RECEIVED BY					DATE/TIME
RELINQUISHED BY 	DATE/TIME	RECEIVED BY 	DATE/TIME	RECEIVED BY 	DATE/TIME	10-11	9:40
RELINQUISHED BY 	DATE/TIME						DATE/TIME

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: H=HCL N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09

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C072901

Lab Sample: C072901-01 Date Collected: 07/27/11
Client Sample: IAQ-ROP1-0727111-K2 Date Received: 07/29/11
Project Name: Omega Monthly IAQ QC Batch: 110814MS2A2
Project #: 10500 Sample Type: SA

Analyte	Result ug/m3	RL ug/m3	Date Analyzed	Dilution Factor
Dichlorodifluoromethane (12)	2.8	0.099	08/15/11	1.0
Vinyl Chloride	ND	0.026	08/15/11	1.0
Trichlorofluoromethane (11)	1.3	0.11	08/15/11	1.0
1,1,2-Cl 1,2,2-F ethane (113)	0.78	0.15	08/15/11	1.0
Acetone	20	1.2	08/15/11	1.0
1,1-Dichloroethene	0.11	0.040	08/15/11	1.0
Methylene Chloride	4.0	0.69	08/15/11	1.0
t-Butyl Methyl Ether (MTBE)	ND	0.36	08/15/11	1.0
t-1,2-Dichloroethene	ND	0.40	08/15/11	1.0
1,1-Dichloroethane	ND	0.81	08/15/11	1.0
c-1,2-Dichloroethene	ND	0.079	08/15/11	1.0
Chloroform	0.13	0.098	08/15/11	1.0
1,1,1-Trichloroethane	ND	0.11	08/15/11	1.0
Carbon Tetrachloride	0.58	0.13	08/15/11	1.0
Benzene	0.43	0.16	08/15/11	1.0
1,2-Dichloroethane	0.41	0.081	08/15/11	1.0
Trichloroethene	0.071	0.016	08/15/11	1.0
Toluene	9.0	0.075	08/15/11	1.0
t-1,3-Dichloropropene	ND	0.091	08/15/11	1.0
1,1,2-Trichloroethane	ND	0.11	08/15/11	1.0
Tetrachloroethene	0.64	0.14	08/15/11	1.0
Chlorobenzene	ND	0.092	08/15/11	1.0
Ethylbenzene	1.3	0.087	08/15/11	1.0
p,&m-Xylene	3.0	0.26	08/15/11	1.0
o-Xylene	1.3	0.26	08/15/11	1.0
1,1,2,2-Tetrachloroethane	ND	0.14	08/15/11	1.0
1,4-Dichlorobenzene	0.25	0.12	08/15/11	1.0
1,2-Dichlorobenzene	ND	0.60	08/15/11	1.0

RL = Reporting Limit

ND = Not detected above RL

The cover letter is an integral part of this report



Air TECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

EPA TO15
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C072901

Lab Sample: C072901-02 Date Collected: 07/27/11
Client Sample: IAQ-TP1-0727111-K2 Date Received: 07/29/11
Project Name: Omega Monthly IAQ QC Batch: 110814MS2A2
Project #: 10500 Sample Type: SA

Analyte	Result ug/m3	RL ug/m3	Date Analyzed	Dilution Factor
Dichlorodifluoromethane (12)	2.9	0.099	08/15/11	1.0
Vinyl Chloride	ND	0.026	08/15/11	1.0
Trichlorofluoromethane (11)	1.3	0.11	08/15/11	1.0
1,1,2-Cl 1,2,2-F ethane (113)	0.56	0.15	08/15/11	1.0
Acetone	31 E	1.2	08/15/11	1.0
1,1-Dichloroethene	0.084	0.040	08/15/11	1.0
Methylene Chloride	ND	0.69	08/15/11	1.0
t-Butyl Methyl Ether (MTBE)	ND	0.36	08/15/11	1.0
t-1,2-Dichloroethene	ND	0.40	08/15/11	1.0
1,1-Dichloroethane	ND	0.81	08/15/11	1.0
c-1,2-Dichloroethene	ND	0.079	08/15/11	1.0
Chloroform	0.11	0.098	08/15/11	1.0
1,1,1-Trichloroethane	ND	0.11	08/15/11	1.0
Carbon Tetrachloride	0.60	0.13	08/15/11	1.0
Benzene	0.68	0.16	08/15/11	1.0
1,2-Dichloroethane	0.089	0.081	08/15/11	1.0
Trichloroethene	0.081	0.016	08/15/11	1.0
Toluene	5.5	0.075	08/15/11	1.0
t-1,3-Dichloropropene	ND	0.091	08/15/11	1.0
1,1,2-Trichloroethane	ND	0.11	08/15/11	1.0
Tetrachloroethene	0.81	0.14	08/15/11	1.0
Chlorobenzene	ND	0.092	08/15/11	1.0
Ethylbenzene	0.88	0.087	08/15/11	1.0
p,&m-Xylene	2.8	0.26	08/15/11	1.0
o-Xylene	1.1	0.26	08/15/11	1.0
1,1,2,2-Tetrachloroethane	ND	0.14	08/15/11	1.0
1,4-Dichlorobenzene	0.25	0.12	08/15/11	1.0
1,2-Dichlorobenzene	ND	0.60	08/15/11	1.0

RL = Reporting Limit

ND = Not detected above RL

E = Estimated. Analyte is detected but above the upper calibration limit.

The cover letter is an integral part of this report



Air TECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

EPA TO15
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C072901

Lab Sample: METHOD BLANK Date Collected: --
Client Sample: -- Date Received: --
Project Name: -- QC Batch: 110814MS2A2
Project #: -- Sample Type: SA

Analyte	Result ug/m3	RL ug/m3	Date Analyzed	Dilution Factor
Dichlorodifluoromethane (12)	ND	0.099	08/15/11	1.0
Vinyl Chloride	ND	0.026	08/15/11	1.0
Trichlorofluoromethane (11)	ND	0.11	08/15/11	1.0
1,1,2-Cl 1,2,2-F ethane (113)	ND	0.15	08/15/11	1.0
Acetone	ND	1.2	08/15/11	1.0
1,1-Dichloroethene	ND	0.040	08/15/11	1.0
Methylene Chloride	ND	0.69	08/15/11	1.0
t-Butyl Methyl Ether (MTBE)	ND	0.36	08/15/11	1.0
t-1,2-Dichloroethene	ND	0.40	08/15/11	1.0
1,1-Dichloroethane	ND	0.81	08/15/11	1.0
c-1,2-Dichloroethene	ND	0.079	08/15/11	1.0
Chloroform	ND	0.098	08/15/11	1.0
1,1,1-Trichloroethane	ND	0.11	08/15/11	1.0
Carbon Tetrachloride	ND	0.13	08/15/11	1.0
Benzene	ND	0.16	08/15/11	1.0
1,2-Dichloroethane	ND	0.081	08/15/11	1.0
Trichloroethene	ND	0.016	08/15/11	1.0
Toluene	ND	0.075	08/15/11	1.0
t-1,3-Dichloropropene	ND	0.091	08/15/11	1.0
1,1,2-Trichloroethane	ND	0.11	08/15/11	1.0
Tetrachloroethene	ND	0.14	08/15/11	1.0
Chlorobenzene	ND	0.092	08/15/11	1.0
Ethylbenzene	ND	0.087	08/15/11	1.0
p,&m-Xylene	ND	0.26	08/15/11	1.0
o-Xylene	ND	0.26	08/15/11	1.0
1,1,2,2-Tetrachloroethane	ND	0.14	08/15/11	1.0
1,4-Dichlorobenzene	ND	0.12	08/15/11	1.0
1,2-Dichlorobenzene	ND	0.60	08/15/11	1.0

RL = Reporting Limit

ND = Not detected above RL

The cover letter is an integral part of this report.



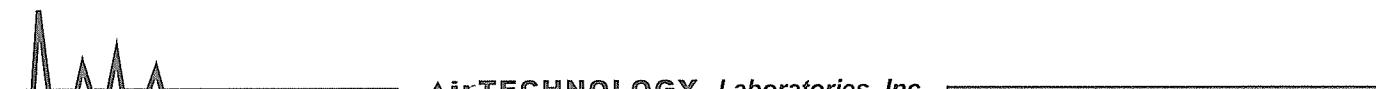
Lab Sample: C072901-01 Date Collected: 07/27/11
Client Sample: IAQ-ROP1-0727111-K2 Date Received: 07/29/11
Project Name: Omega Monthly IAQ QC Batch: 110814MS2A2
Project #: 10500 Sample Type: SA

Analyte	Result ppbv	RL ppbv	Date Analyzed	Dilution Factor
Dichlorodifluoromethane (12)	0.57	0.020	08/15/11	1.0
Vinyl Chloride	ND	0.010	08/15/11	1.0
Trichlorofluoromethane (11)	0.23	0.020	08/15/11	1.0
1,1,2-Cl 1,2,2-F ethane (113)	0.10	0.020	08/15/11	1.0
Acetone	8.3	0.50	08/15/11	1.0
1,1-Dichloroethene	0.027	0.010	08/15/11	1.0
Methylene Chloride	1.2	0.20	08/15/11	1.0
t-Butyl Methyl Ether (MTBE)	ND	0.10	08/15/11	1.0
t-1,2-Dichloroethene	ND	0.10	08/15/11	1.0
1,1-Dichloroethane	ND	0.20	08/15/11	1.0
c-1,2-Dichloroethene	ND	0.020	08/15/11	1.0
Chloroform	0.027	0.020	08/15/11	1.0
1,1,1-Trichloroethane	ND	0.020	08/15/11	1.0
Carbon Tetrachloride	0.092	0.020	08/15/11	1.0
Benzene	0.14	0.050	08/15/11	1.0
1,2-Dichloroethane	0.10	0.020	08/15/11	1.0
Trichloroethene	0.013	0.0030	08/15/11	1.0
Toluene	2.4	0.020	08/15/11	1.0
t-1,3-Dichloropropene	ND	0.020	08/15/11	1.0
1,1,2-Trichloroethane	ND	0.020	08/15/11	1.0
Tetrachloroethene	0.095	0.020	08/15/11	1.0
Chlorobenzene	ND	0.020	08/15/11	1.0
Ethylbenzene	0.30	0.020	08/15/11	1.0
p,&m-Xylene	0.69	0.060	08/15/11	1.0
o-Xylene	0.30	0.060	08/15/11	1.0
1,1,2,2-Tetrachloroethane	ND	0.020	08/15/11	1.0
1,4-Dichlorobenzene	0.041	0.020	08/15/11	1.0
1,2-Dichlorobenzene	ND	0.10	08/15/11	1.0

RL = Reporting Limit

ND = Not detected above RL

The cover letter is an integral part of this report



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C072901

Lab Sample: C072901-02 Date Collected: 07/27/11
Client Sample: IAQ-TP1-0727111-K2 Date Received: 07/29/11
Project Name: Omega Monthly IAQ QC Batch: 110814MS2A2
Project #: 10500 Sample Type: SA

Analyte	Result ppbv	RL ppbv	Date Analyzed	Dilution Factor
Dichlorodifluoromethane (12)	0.58	0.020	08/15/11	1.0
Vinyl Chloride	ND	0.010	08/15/11	1.0
Trichlorofluoromethane (11)	0.24	0.020	08/15/11	1.0
1,1,2-Cl 1,2,2-F ethane (113)	0.072	0.020	08/15/11	1.0
Acetone	13 E	0.50	08/15/11	1.0
1,1-Dichloroethene	0.021	0.010	08/15/11	1.0
Methylene Chloride	ND	0.20	08/15/11	1.0
t-Butyl Methyl Ether (MTBE)	ND	0.10	08/15/11	1.0
t-1,2-Dichloroethene	ND	0.10	08/15/11	1.0
1,1-Dichloroethane	ND	0.20	08/15/11	1.0
c-1,2-Dichloroethene	ND	0.020	08/15/11	1.0
Chloroform	0.023	0.020	08/15/11	1.0
1,1,1-Trichloroethane	ND	0.020	08/15/11	1.0
Carbon Tetrachloride	0.095	0.020	08/15/11	1.0
Benzene	0.21	0.050	08/15/11	1.0
1,2-Dichloroethane	0.022	0.020	08/15/11	1.0
Trichloroethene	0.015	0.0030	08/15/11	1.0
Toluene	1.5	0.020	08/15/11	1.0
t-1,3-Dichloropropene	ND	0.020	08/15/11	1.0
1,1,2-Trichloroethane	ND	0.020	08/15/11	1.0
Tetrachloroethene	0.12	0.020	08/15/11	1.0
Chlorobenzene	ND	0.020	08/15/11	1.0
Ethylbenzene	0.20	0.020	08/15/11	1.0
p,&m-Xylene	0.65	0.060	08/15/11	1.0
o-Xylene	0.26	0.060	08/15/11	1.0
1,1,2,2-Tetrachloroethane	ND	0.020	08/15/11	1.0
1,4-Dichlorobenzene	0.042	0.020	08/15/11	1.0
1,2-Dichlorobenzene	ND	0.10	08/15/11	1.0

RL = Reporting Limit

ND = Not detected above RL

E = Estimated. Analyte is detected but above the upper calibration limit.

The cover letter is an integral part of this report



Air TECHNOLOGY Laboratories, Inc.

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EPA TO15
SIM Mode

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C072901

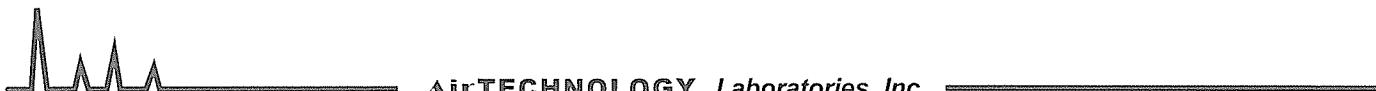
Lab Sample: METHOD BLANK Date Collected: --
Client Sample: -- Date Received: --
Project Name: -- QC Batch: 110814MS2A2
Project #: -- Sample Type: SA

Analyte	Result ppbv	RL ppbv	Date Analyzed	Dilution Factor
Dichlorodifluoromethane (12)	ND	0.020	08/15/11	1.0
Vinyl Chloride	ND	0.010	08/15/11	1.0
Trichlorofluoromethane (11)	ND	0.020	08/15/11	1.0
1,1,2-Cl 1,2,2-F ethane (113)	ND	0.020	08/15/11	1.0
Acetone	ND	0.50	08/15/11	1.0
1,1-Dichloroethene	ND	0.010	08/15/11	1.0
Methylene Chloride	ND	0.20	08/15/11	1.0
t-Butyl Methyl Ether (MTBE)	ND	0.10	08/15/11	1.0
t-1,2-Dichloroethene	ND	0.10	08/15/11	1.0
1,1-Dichloroethane	ND	0.20	08/15/11	1.0
c-1,2-Dichloroethene	ND	0.020	08/15/11	1.0
Chloroform	ND	0.020	08/15/11	1.0
1,1,1-Trichloroethane	ND	0.020	08/15/11	1.0
Carbon Tetrachloride	ND	0.020	08/15/11	1.0
Benzene	ND	0.050	08/15/11	1.0
1,2-Dichloroethane	ND	0.020	08/15/11	1.0
Trichloroethene	ND	0.0030	08/15/11	1.0
Toluene	ND	0.020	08/15/11	1.0
t-1,3-Dichloropropene	ND	0.020	08/15/11	1.0
1,1,2-Trichloroethane	ND	0.020	08/15/11	1.0
Tetrachloroethene	ND	0.020	08/15/11	1.0
Chlorobenzene	ND	0.020	08/15/11	1.0
Ethylbenzene	ND	0.020	08/15/11	1.0
p,&m-Xylene	ND	0.060	08/15/11	1.0
o-Xylene	ND	0.060	08/15/11	1.0
1,1,2,2-Tetrachloroethane	ND	0.020	08/15/11	1.0
1,4-Dichlorobenzene	ND	0.020	08/15/11	1.0
1,2-Dichlorobenzene	ND	0.10	08/15/11	1.0

RL = Reporting Limit

ND = Not detected above RL

The cover letter is an integral part of this report



QC Batch #: 110814MS2A2

Matrix: Air

EPA Method TO-15 SIM

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	08/15/11		08/15/11	08/15/11							
Data File ID:	14AUG036.D		14AUG034.D	14AUG035.D							
Analyst Initials:	DT		DT	DT							
Dilution Factor:	1.0		1.0	1.0							
ANALYTE	Result pptv	Spike Amount	Result pptv	% Rec	Result pptv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail
Vinyl Chloride	0.0	500	533	107	532	106	0.2	70	130	30	Pass
1,1-Dichloroethene	0.0	500	538	108	534	107	0.8	70	130	30	Pass
1,1,1-Trichloroethane	3.2	500	539	108	540	108	0.1	70	130	30	Pass
Benzene	17.7	500	481	96	485	97	0.6	70	130	30	Pass
Trichloroethene	0.0	500	512	102	511	102	0.1	70	130	30	Pass
Tetrachloroethene	0.0	500	497	99	502	100	1.0	70	130	30	Pass

Reviewed/Approved By:

Mark Johnson
Operations Manager

Date: 8/17/11

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.